



Astrodienst Ephemeris Tables for the year 2158

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 2158

geocentric

JANUARY 2158

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 42 47	10 ³¹ 39	13 ³⁴ 44	3 ¹⁸ 18	2 ³¹ 3	0 ¹⁶ 16	14 ³⁷ 37	15 ⁵⁵ 55	7 ⁵⁷ 57	20 ⁵⁸ 58	29 ⁹ 9	7 ⁴⁷ 47	9 ¹⁰ 10	2 ¹⁴ 14	13 ⁴⁵ 45	S 1
M 2	6 46 44	11 ³² 49	26 ⁴² 42	4 ⁵² 52	2 ³¹ 31	1 ² 2	14 ³⁷ 37	15 ⁵⁷ 57	8 ¹ 1	21 ⁰ 0	29 ⁸ 8	7 ⁴⁵ 45	9 ⁷ 7	2 ²¹ 21	13 ⁴⁹ 49	M 2
T 3	6 50 40	12 ³³ 59	9 ⁵³ 53	6 ²⁶ 26	3 ⁰ 0	1 ⁴⁸ 48	14 ³⁶ 36	16 ⁰ 0	8 ⁵ 5	21 ³ 3	29 ⁶ 6	7 ⁴⁴ 44	9 ⁴ 4	2 ²⁷ 27	13 ⁵³ 53	T 3
W 4	6 54 37	13 ³⁵ 09	23 ⁵¹ 51	8 ⁰ 0	3 ³¹ 31	2 ³⁵ 35	14 ³⁵ 35	16 ² 2	8 ⁸ 8	21 ⁵ 5	29 ⁵ 5	7 ⁴⁵ 45	9 ¹ 1	2 ³⁴ 34	13 ⁵⁷ 57	W 4
T 5	6 58 33	14 ³⁶ 18	6 ⁴⁹ 49	9 ³⁵ 35	4 ⁴ 4	3 ²¹ 21	14 ³⁴ 34	16 ⁴ 4	8 ¹² 12	21 ⁷ 7	29 ⁴ 4	7 ⁴⁶ 46	8 ⁵⁸ 58	2 ⁴¹ 41	14 ² 2	T 5
F 6	7 2 30	15 ³⁷ 28	20 ³⁴ 34	11 ¹⁰ 10	4 ³⁸ 38	4 ⁸ 8	14 ³³ 33	16 ⁶ 6	8 ¹⁵ 15	21 ⁹ 9	29 ³ 3	7 ⁴⁸ 48	8 ⁵⁴ 54	2 ⁴⁸ 48	14 ⁶ 6	F 6
S 7	7 6 26	16 ³⁸ 37	4 ³⁰ 30	12 ⁴⁶ 46	5 ¹³ 13	4 ⁵⁴ 54	14 ³¹ 31	16 ⁸ 8	8 ¹⁹ 19	21 ¹² 12	29 ² 2	7 ⁴⁹ 49	8 ⁵¹ 51	2 ⁵⁴ 54	14 ¹⁰ 10	S 7
S 8	7 10 23	17 ³⁹ 46	18 ³⁴ 34	14 ²² 22	5 ⁵⁰ 50	5 ⁴¹ 41	14 ³⁰ 30	16 ¹⁰ 10	8 ²³ 23	21 ¹⁴ 14	29 ¹ 1	7 ⁴⁹ 49	8 ⁴⁸ 48	3 ¹ 1	14 ¹⁵ 15	S 8
M 9	7 14 19	18 ⁴⁰ 54	2 ⁴⁷ 47	15 ⁵⁸ 58	6 ²⁸ 28	6 ²⁷ 27	14 ²⁸ 28	16 ¹² 12	8 ²⁶ 26	21 ¹⁶ 16	29 ⁰ 0	7 ⁴⁹ 49	8 ⁴⁵ 45	3 ⁸ 8	14 ¹⁹ 19	M 9
T 10	7 18 16	19 ⁴² 03	17 ⁶ 6	17 ³⁴ 34	7 ⁸ 8	7 ¹³ 13	14 ²⁶ 26	16 ¹⁴ 14	8 ³⁰ 30	21 ¹⁸ 18	28 ⁵⁹ 59	7 ⁴⁷ 47	8 ⁴² 42	3 ¹⁵ 15	14 ²³ 23	T 10
W 11	7 22 13	20 ⁴³ 10	1 ²⁷ 27	19 ¹² 12	7 ⁴⁸ 48	8 ⁰ 0	14 ²⁴ 24	16 ¹⁵ 15	8 ³³ 33	21 ²¹ 21	28 ⁵⁷ 57	7 ⁴⁵ 45	8 ³⁸ 38	3 ²¹ 21	14 ²⁸ 28	W 11
T 12	7 26 9	21 ⁴⁴ 18	15 ⁴⁶ 46	20 ⁴⁹ 49	8 ³⁰ 30	8 ⁴⁶ 46	14 ²¹ 21	16 ¹⁷ 17	8 ³⁷ 37	21 ²³ 23	28 ⁵⁶ 56	7 ⁴³ 43	8 ³⁵ 35	3 ²⁸ 28	14 ³² 32	T 12
F 13	7 30 6	22 ⁴⁵ 25	29 ⁵⁹ 59	22 ²⁷ 27	9 ¹³ 13	9 ³³ 33	14 ¹⁹ 19	16 ¹⁸ 18	8 ⁴⁰ 40	21 ²⁵ 25	28 ⁵⁵ 55	7 ⁴¹ 41	8 ³² 32	3 ³⁵ 35	14 ³⁷ 37	F 13
S 14	7 34 2	23 ⁴⁶ 32	14 ²⁸ 28	24 ⁵ 5	9 ⁵⁶ 56	10 ¹⁹ 19	14 ¹⁶ 16	16 ¹⁹ 19	8 ⁴⁴ 44	21 ²⁸ 28	28 ⁵⁴ 54	7 ³⁹ 39	8 ²⁹ 29	3 ⁴¹ 41	14 ⁴¹ 41	S 14
S 15	7 37 59	24 ⁴⁷ 38	27 ⁵⁰ 50	25 ⁴⁴ 44	10 ⁴¹ 41	11 ⁵ 5	14 ¹³ 13	16 ²¹ 21	8 ⁴⁷ 47	21 ³⁰ 30	28 ⁵³ 53	7 ³⁹ 39	8 ²⁶ 26	3 ⁴⁸ 48	14 ⁴⁶ 46	S 15
M 16	7 41 55	25 ⁴⁸ 44	11 ¹⁹ 19	27 ²³ 23	11 ²⁷ 27	11 ⁵² 52	14 ¹⁰ 10	16 ²² 22	8 ⁵¹ 51	21 ³² 32	28 ⁵² 52	7 ³⁸ 38	8 ²³ 23	3 ⁵⁵ 55	14 ⁵⁰ 50	M 16
T 17	7 45 52	26 ⁴⁹ 49	24 ²⁹ 29	29 ³ 3	12 ¹⁴ 14	12 ³⁸ 38	14 ⁷ 7	16 ²³ 23	8 ⁵⁴ 54	21 ³⁴ 34	28 ⁵¹ 51	7 ³⁹ 39	8 ¹⁹ 19	4 ² 2	14 ⁵⁵ 55	T 17
W 18	7 49 48	27 ⁵⁰ 54	7 ¹⁹ 19	0 ⁴³ 43	13 ² 2	13 ²⁴ 24	14 ³ 3	16 ²³ 23	8 ⁵⁸ 58	21 ³⁷ 37	28 ⁵⁰ 50	7 ⁴⁰ 40	8 ¹⁶ 16	4 ⁸ 8	14 ⁵⁹ 59	W 18
T 19	7 53 45	28 ⁵¹ 59	19 ⁵⁰ 50	2 ²⁴ 24	13 ⁵⁰ 50	14 ¹¹ 11	13 ⁵⁹ 59	16 ²⁴ 24	9 ¹ 1	21 ³⁹ 39	28 ⁴⁹ 49	7 ⁴¹ 41	8 ¹³ 13	4 ¹⁵ 15	15 ⁴ 4	T 19
F 20	7 57 42	29 ⁵³ 04	2 ⁶ 6	4 ⁵ 5	14 ⁴⁰ 40	14 ⁵⁷ 57	13 ⁵⁶ 56	16 ²⁵ 25	9 ⁵ 5	21 ⁴¹ 41	28 ⁴⁸ 48	7 ⁴² 42	8 ¹⁰ 10	4 ²² 22	15 ⁹ 9	F 20
S 21	8 1 38	0 ⁵⁴ 08	14 ¹⁰ 10	5 ⁴⁷ 47	15 ³⁰ 30	15 ⁴³ 43	13 ⁵² 52	16 ²⁵ 25	9 ⁸ 8	21 ⁴³ 43	28 ⁴⁷ 47	7 ⁴² 42	8 ⁷ 7	4 ²⁹ 29	15 ¹³ 13	S 21
S 22	8 5 35	1 ⁵⁵ 12	26 ⁵ 5	7 ²⁹ 29	16 ²¹ 21	16 ²⁹ 29	13 ⁴⁷ 47	16 ²⁶ 26	9 ¹² 12	21 ⁴⁶ 46	28 ⁴⁶ 46	7 ⁴³ 43	8 ⁴ 4	4 ³⁵ 35	15 ¹⁸ 18	S 22
M 23	8 9 31	2 ⁵⁶ 16	7 ¹⁸ 18	9 ¹¹ 11	17 ¹³ 13	17 ¹⁶ 16	13 ⁴³ 43	16 ²⁶ 26	9 ¹⁵ 15	21 ⁴⁸ 48	28 ⁴⁵ 45	7 ⁴³ 43	8 ⁰ 0	4 ⁴² 42	15 ²³ 23	M 23
T 24	8 13 28	3 ⁵⁷ 20	19 ⁵² 52	10 ⁵⁴ 54	18 ⁶ 6	18 ² 2	13 ³⁸ 38	16 ²⁶ 26	9 ¹⁸ 18	21 ⁵⁰ 50	28 ⁴⁴ 44	7 ⁴² 42	7 ⁵⁷ 57	4 ⁴⁹ 49	15 ²⁷ 27	T 24
W 25	8 17 24	4 ⁵⁸ 23	1 ⁵² 52	12 ³⁷ 37	18 ⁵⁹ 59	18 ⁴⁸ 48	13 ³⁴ 34	16 ²⁶ 26	9 ²² 22	21 ⁵² 52	28 ⁴³ 43	7 ⁴² 42	7 ⁵⁴ 54	4 ⁵⁵ 55	15 ³² 32	W 25
T 26	8 21 21	5 ⁵⁹ 25	14 ² 2	14 ²¹ 21	19 ⁵³ 53	19 ³⁴ 34	13 ²⁹ 29	16 ²⁶ 26	9 ²⁵ 25	21 ⁵⁵ 55	28 ⁴² 42	7 ⁴² 42	7 ⁵¹ 51	5 ² 2	15 ³⁷ 37	T 26
F 27	8 25 17	7 ⁰ 27	26 ²⁷ 27	16 ⁴ 4	20 ⁴⁷ 47	20 ²⁰ 20	13 ²⁴ 24	16 ²⁶ 26	9 ²⁸ 28	21 ⁵⁷ 57	28 ⁴¹ 41	7 ⁴² 42	7 ⁴⁸ 48	5 ⁹ 9	15 ⁴¹ 41	F 27
S 28	8 29 14	8 ¹ 29	9 ³ 3	17 ⁴⁸ 48	21 ⁴³ 43	21 ⁶ 6	13 ¹⁹ 19	16 ²⁶ 26	9 ³² 32	21 ⁵⁹ 59	28 ⁴⁰ 40	7 ⁴² 42	7 ⁴⁴ 44	5 ¹⁶ 16	15 ⁴⁶ 46	S 28
S 29	8 33 11	9 ² 30	22 ⁷ 7	19 ³² 32	22 ³⁸ 38	22 ⁵³ 53	13 ¹³ 13	16 ²⁵ 25	9 ³⁵ 35	22 ¹ 1	28 ⁴⁰ 40	7 ⁴² 42	7 ⁴¹ 41	5 ²² 22	15 ⁵¹ 51	S 29
M 30	8 37 7	10 ³ 30	5 ²⁵ 25	21 ¹⁵ 15	23 ³⁵ 35	22 ³⁹ 39	13 ⁸ 8	16 ²⁵ 25	9 ³⁸ 38	22 ³ 3	28 ³⁹ 39	7 ⁴² 42	7 ³⁸ 38	5 ²⁹ 29	15 ⁵⁵ 55	M 30
T 31	8 41 4	11 ³ 42	19 ³ 3	22 ⁵⁹ 59	24 ³¹ 31	23 ⁴⁵ 45	13 ¹⁹ 19	16 ²⁴ 24	9 ⁴¹ 41	22 ⁶ 6	28 ³⁸ 38	7 ⁴² 42	7 ³⁵ 35	5 ³⁶ 36	16 ³ 3	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	23s 0	24s50	2s 8	24s27	1s 4	16s28	4n10	12s22	1s 3	7n 6	1n 9	4s 3	2n23	23s28	0s17	21s 9	0n39	16n23	7s 2	18s19	17s57	17s 2	10s35	6n22			
M 2	22 55	21 47	1 0	24 30	1 10	16 30	4 14	12 4	1 3	7 7	1 9	4 4	2 23	23 28	0 17	21 9	0 39	16 23	7 2	18 19	17 58	17 4	10 34	6 22			
T 3	22 50	17 34	0n12	24 31	1 15	16 33	4 17	11 47	1 2	7 7	1 9	4 5	2 24	23 28	0 17	21 8	0 39	16 23	7 2	18 19	17 59	17 7	10 33	6 22			
W 4	22 44	12 26	1 24	24 31	1 20	16 36	4 19	11 30	1 1	7 8	1 9	4 5	2 24	23 28	0 17	21 8	0 39	16 23	7 2	18 19	17 59	17 9	10 32	6 21			
T 5	22 37	6 38	2 33	24 30	1 25	16 39	4 22	11 12	1 0	7 9	1 10	4 6	2 24	23 27	0 17	21 8	0 39	16 23	7 2	18 19	18 0	17 12	10 31	6 21			
F 6	22 30	0 27	3 34	24 27	1 30	16 43	4 24	10 55	0 59	7 9	1 10	4 6	2 25	23 27	0 17	21 7	0 39	16 23	7 2	18 18	18 1	17 14	10 30	6 21			
S 7	22 23	5n49	4 24	24 23	1 35	16 48	4 26	10 37	0 59	7 10	1 10	4 7	2 25	23 27	0 17	21 7	0 39	16 23	7 2	18 18	18 2	17 16	10 29	6 21			
S 8	22 15	11 51	4 58	24 17	1 39	16 53	4 27	10 19	0 58	7 11	1 10	4 7	2 25	23 27	0 17	21 7	0 39	16 23	7 2	18 18	18 3	17 19	10 28	6 20			
M 9	22 7	17 20	5 14	24 10	1 43	16 58	4 28	10 1	0 57	7 12	1 11	4 8	2 25	23 26	0 17	21 6	0 39	16 24	7 1	18 18	18 4	17 21	10 27	6 20			
T 10	21 59	21 53	5 11	24 2	1 47	17 3	4 29	9 43	0 56	7 13	1 11	4 8	2 26	23 26	0 17	21 6	0 39	16 24	7 1	18 18	18 4	17 24	10 26	6 20			
W 11	21 49	25 9	4 49	23 52	1 50	17 9	4 30	9 25	0 55	7 14	1 11	4 8	2 26	23 26	0 17	21 6	0 39	16 24	7 1	18 19	18 5	17 26	10 25	6 20			
T 12	21 40	26 47	4 9	23 40	1 53	17 15	4 30	9 7	0 54	7 15	1 11	4 9	2 26	23 26	0 17	21 5	0 38	16 24	7 1	18 20	18 6	17 28	10 24	6 20			
F 13	21 30	26 38	3 13	23 28	1 56	17 22	4 30	8 49	0 54	7 16	1 12	4 9	2 27	23 26	0 17	21 5	0 38	16 24	7 1	18 20	18 7	17 31	10 23	6 19			
S 14	21 20	24 47	2 7	23 13	1 58	17 28	4 30	8 31	0 53	7 18	1 12	4 9	2 27	23 25	0 17	21 5	0 38	16 24	7 1	18 20	18 8	17 33	10 22	6 19			
S 15	21 9	21 28	0 54	22 57	2 1	17 35	4 30	8 12	0 52	7 19	1 12	4 9	2 27	23 25	0 17	21 4	0 38	16 24	7 1	18 21	18 8	17 36	10 21	6 19			
M 16	20 58	17 3	0s20	22 40	2 3	17 41	4 29	7 54	0 51	7 21	1 13	4 10	2 27	23 25	0 17	21 4	0 38	16 24	7 1	18 21	18 9	17 38	10 19	6 19			
T 17	20 46	11 54	1 32	22 21	2 4	17 48	4 29	7 35	0 50	7 22	1 13	4 10	2 28	23 25	0 17	21 4	0 38	16 24	7 1	18 21	18 10	17 40	10 18	6 19			
W 18	20 35	6 23	2 37	22 1	2 5	17 55	4 28	7 17	0 50	7 24	1 13	4 10	2 28	23 25	0 18	21 3	0 38	16 25	7 0	18 20	18 11	17 43	10 17	6 19			
T 19	20 22	0 45	3 33	21 39	2 6	18 2	4 26	6 58	0 49	7 25	1 13	4 10	2 28	23 24	0 18	21 3	0 38	16 25	7 0	18 20	18 12	17 45	10 16	6 18			
F 20	20 10	4s47	4 18	21 16	2 6	18 9	4 25	6 40	0 48	7 27	1 14	4 10	2 29	23 24	0 18	21 3	0 38	16 25	7 0	18 20	18 13	17 48	10 15	6 18			
S 21	19 56	10 3	4 51	20 51	2 6	18 16	4 23	6 21	0 47	7 29	1 14	4 10	2 29	23 24	0 18	21 2	0 38	16 25	7 0	18 20	18 13	17 50	10 14	6 18			
S 22	19 43	14 53	5 11	20 24	2 5	18 23	4 22	6 2	0 46	7 31	1 14	4 10	2 29	23 24	0 18	21 2	0 38	16 25	7 0	18 20	18 14	17 52	10 12	6 18			
M 23	19 29	19 9	5 17	19 56	2 4	18 30	4 20	5 44	0 45	7 33	1 14	4 9	2 29	23 23	0 18	21 2	0 38	16 25	7 0	18 20	18 15	17 55	10 11	6 18			
T 24	19 15	22 40	5 10	19 27	2 3	18 37	4 18	5 25	0 45	7 34	1 15	4 9	2 30	23 23	0 18	21 1	0 38	16 25	7 0	18 20	18 16	17 57	10 10	6 18			
W 25	19 0	25 14	4 49	18 56	2 1	18 43	4 15	5 6	0 44	7 37	1 15	4 9	2 30	23 23	0 18	21 1	0 38	16 25	6 59	18 20	18 17	17 59	10 9	6 18			
T 26	18 46	26 42	4 16	18 24	1 58	18 50	4 13	4 47	0 43	7 39	1 15	4 9	2 30	23 23	0 18	21 0	0 38	16 26	6 59	18 20	18 18	18 2	10 7	6 18			
F 27	18 30	26 52	3 29	17 50	1 55	18 56	4 11	4 28	0 42	7 41	1 15	4 8	2 30	23 23	0 18	21 0	0 38	16 26	6 59	18 20	18 18	18 4	10 6	6 17			
S 28	18 15	25 38	2 32	17 15	1 51	19 2	4 8	4 9	0 41	7 43	1 15	4 8	2 31	23 22	0 18	21 0	0 38	16 26	6 59	18 20	18 19	18 6	10 5	6 17			
S 29	17 53	23 1	1 25	16 38	1 47	19 8	4 5	3 50	0 41	7 45	1 16	4 8	2 31	23 22	0 18	20 59	0 38	16 26	6 59	18 20	18 20	18 9	10 4	6 17			
M 30	17 43	19 6	0 13	16 1	1 42	19 14	4 2	3 32	0 40	7 48	1 16	4 7	2 31	23 22	0 18	20 59	0 38	16 26	6 59	18 20	18 21	18 11	10 2	6 17			
T 31	17s26	14s 8	1n 2	15s22	1s36	19s19	3n59	3s13	0s39	7n50	1n16	4s 7	2n32	23s22	0s18	20s59	0n38	16n26	6s59	18s20	18s22	18s13	10s 1	6n17			

ASTRODIENST EPHEMERIS for the year 2158

geocentric

FEBRUARY 2158

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 45 0	12°5'27	2°51	24°42	25°29	24°11	12°R56	16°R24	9°345	22°38	28°R37	7°R41	7°32	5°M42	16°5	W 1
T 2	8 48 57	13°6'25	16°54	26°24	26°27	24°57	12°M50	16°23	9°48	22°10	28°II36	7°41	7°29	5°49	16°10	T 2
F 3	8 52 53	14°7'21	1°5	28°5	27°25	25°43	12°44	16°22	9°51	22°12	28°35	7°40	7°25	5°56	16°14	F 3
S 4	8 56 50	15°8'15	15°20	29°44	28°24	26°29	12°38	16°21	9°54	22°14	28°35	7°39	7°22	6°3	16°19	S 4
S 5	9 0 46	16°9'09	29°36	1°23	29°23	27°15	12°32	16°20	9°57	22°16	28°34	7°39	7°19	6°9	16°24	S 5
M 6	9 4 43	17°10'01	13°50	2°59	0°23	28°1	12°25	16°19	10°0	22°19	28°33	7°D38	7°16	6°16	16°28	M 6
T 7	9 8 40	18°10'51	27°59	4°32	1°23	28°46	12°19	16°17	10°3	22°21	28°32	7°38	7°13	6°23	16°33	T 7
W 8	9 12 36	19°11'41	12°II	6°2	2°23	29°32	12°12	16°16	10°6	22°23	28°32	7°39	7°10	6°30	16°38	W 8
T 9	9 16 33	20°12'29	25°55	7°29	3°24	0°V18	12°5	16°15	10°9	22°25	28°31	7°40	7°6	6°36	16°43	T 9
F 10	9 20 29	21°13'15	9°239	8°51	4°25	1°4	11°58	16°13	10°12	22°27	28°30	7°41	7°3	6°43	16°47	F 10
S 11	9 24 26	22°14'00	23°12	10°9	5°27	1°50	11°51	16°11	10°15	22°29	28°30	7°42	7°0	6°50	16°52	S 11
S 12	9 28 22	23°14'44	6°M33	11°20	6°29	2°35	11°44	16°9	10°18	22°31	28°29	7°R43	6°57	6°56	16°57	S 12
M13	9 32 19	24°15'26	19°41	12°25	7°31	3°21	11°37	16°7	10°21	22°33	28°29	7°42	6°54	7°3	17°1	M13
T 14	9 36 15	25°16'07	2°M35	13°23	8°34	4°7	11°30	16°5	10°24	22°35	28°28	7°41	6°50	7°10	17°6	T 14
W15	9 40 12	26°16'46	15°15	14°13	9°36	4°52	11°23	16°3	10°26	22°37	28°27	7°39	6°47	7°17	17°11	W15
T 16	9 44 9	27°17'24	27°41	14°55	10°40	5°38	11°15	16°1	10°29	22°39	28°27	7°36	6°44	7°23	17°15	T 16
F 17	9 48 5	28°18'01	9°255	15°27	11°43	6°23	11°8	15°59	10°32	22°41	28°26	7°32	6°41	7°30	17°20	F 17
S 18	9 52 2	29°18'36	21°59	15°49	12°47	7°9	11°0	15°56	10°35	22°43	28°26	7°29	6°38	7°37	17°25	S 18
S 19	9 55 58	0°19'11	3°M55	16°1	13°51	7°54	10°53	15°54	10°37	22°45	28°25	7°26	6°35	7°44	17°29	S 19
M20	9 59 55	1°19'44	15°47	16°R3	14°55	8°40	10°45	15°51	10°40	22°47	28°25	7°24	6°31	7°50	17°34	M20
T 21	10 3 51	2°20'16	27°40	15°55	16°0	9°25	10°37	15°49	10°42	22°48	28°24	7°D23	6°28	7°57	17°39	T 21
W22	10 7 48	3°20'47	9°239	15°36	17°5	10°10	10°29	15°46	10°45	22°50	28°24	7°23	6°25	8°4	17°43	W22
T 23	10 11 44	4°21'16	21°48	15°8	18°10	10°56	10°22	15°43	10°48	22°52	28°24	7°24	6°22	8°10	17°48	T 23
F 24	10 15 41	5°21'44	4°311	14°31	19°15	11°41	10°14	15°40	10°50	22°54	28°23	7°25	6°19	8°17	17°52	F 24
S 25	10 19 38	6°22'11	16°54	13°45	20°21	12°26	10°6	15°37	10°52	22°56	28°23	7°27	6°16	8°24	17°57	S 25
S 26	10 23 34	7°22'36	29°58	12°53	21°27	13°11	9°58	15°34	10°55	22°57	28°22	7°28	6°12	8°31	18°1	S 26
M27	10 27 31	8°23'00	13°27	11°55	22°32	13°57	9°50	15°31	10°57	22°59	28°22	7°R28	6°9	8°37	18°6	M27
T 28	10 31 27	9°23'23	27°20	10°154	23°339	14°V42	9°M42	15°28	10°359	23°31	28°II22	7°27	6°6	8°M44	18°10	T 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
W 1	17s 9	8s21	2n15	14s41	1s30	19s25	3n56	2s54	0s38	7n52	1n16	4s 6	2n32	23s21	0s18	20s58	0n38	16n26	6s58	18s20	18s22	18s16	10s 0	6n17			
T 2	16 52	2 5	3 21	14 0	1 23	19 30	3 53	2 35	0 37	7 55	1 17	4 6	2 32	23 21	0 18	20 58	0 38	16 27	6 58	18 20	18 23	18 18	9 58	6 17			
F 3	16 35	4n19	4 15	13 18	1 15	19 34	3 50	2 16	0 36	7 57	1 17	4 5	2 32	23 21	0 18	20 58	0 38	16 27	6 58	18 20	18 24	18 20	9 57	6 17			
S 4	16 17	10 32	4 53	12 35	1 6	19 39	3 46	1 57	0 36	8 0	1 17	4 4	2 33	23 21	0 18	20 57	0 38	16 27	6 58	18 20	18 25	18 22	9 56	6 17			
S 5	15 59	16 12	5 14	11 52	0 57	19 43	3 42	1 38	0 35	8 2	1 17	4 4	2 33	23 21	0 18	20 57	0 38	16 27	6 58	18 21	18 26	18 25	9 54	6 17			
M 6	15 41	20 59	5 15	11 8	0 47	19 46	3 39	1 19	0 34	8 5	1 17	4 3	2 33	23 20	0 18	20 57	0 38	16 27	6 58	18 21	18 26	18 27	9 53	6 17			
T 7	15 22	24 31	4 57	10 24	0 36	19 50	3 35	1 0	0 33	8 8	1 18	4 2	2 34	23 20	0 18	20 56	0 38	16 27	6 57	18 21	18 27	18 29	9 52	6 17			
W 8	15 3	26 32	4 22	9 40	0 24	19 53	3 31	0 41	0 32	8 11	1 18	4 1	2 34	23 20	0 18	20 56	0 38	16 28	6 57	18 21	18 28	18 32	9 50	6 17			
T 9	14 44	26 52	3 31	8 56	0 12	19 55	3 27	0 22	0 32	8 13	1 18	4 1	2 34	23 20	0 18	20 56	0 38	16 28	6 57	18 20	18 29	18 34	9 49	6 17			
F 10	14 25	25 33	2 29	8 13	0n 1	19 58	3 23	0 3	0 31	8 16	1 18	4 0	2 34	23 20	0 18	20 55	0 38	16 28	6 57	18 20	18 30	18 36	9 48	6 17			
S 11	14 5	22 44	1 19	7 31	0 15	19 59	3 19	0n16	0 30	8 19	1 18	3 59	2 35	23 19	0 18	20 55	0 38	16 28	6 57	18 20	18 30	18 38	9 46	6 17			
S 12	13 46	18 43	0 6	6 51	0 30	20 1	3 15	0 35	0 29	8 22	1 18	3 58	2 35	23 19	0 18	20 55	0 38	16 28	6 57	18 20	18 31	18 41	9 45	6 17			
M13	13 26	13 52	1s 6	6 12	0 45	20 2	3 11	0 54	0 28	8 25	1 19	3 57	2 35	23 19	0 18	20 54	0 38	16 28	6 56	18 20	18 32	18 43	9 44	6 17			
T 14	13 5	8 28	2 13	5 36	1 0	20 2	3 7	1 13	0 28	8 28	1 19	3 56	2 35	23 19	0 18	20 54	0 38	16 29	6 56	18 20	18 33	18 45	9 42	6 17			
W15	12 45	2 51	3 12	5 2	1 16	20 2	3 2	1 31	0 27	8 30	1 19	3 55	2 36	23 19	0 18	20 54	0 38	16 29	6 56	18 21	18 34	18 47	9 41	6 17			
T 16	12 24	2s47	4 2	4 32	1 32	20 2	2 58	1 50	0 26	8 33	1 19	3 54	2 36	23 18	0 18	20 53	0 38	16 29	6 56	18 21	18 34	18 49	9 39	6 17			
F 17	12 3	8 12	4 39	4 4	1 48	20 1	2 54	2 9	0 25	8 36	1 19	3 53	2 36	23 18	0 18	20 53	0 38	16 29	6 56	18 22	18 35	18 52	9 38	6 17			
S 18	11 42	13 14	5 3	3 41	2 4	20 0	2 49	2 28	0 24	8 39	1 19	3 52	2 36	23 18	0 18	20 53	0 38	16 29	6 55	18 23	18 36	18 54	9 36	6 17			
S 19	11 21	17 43	5 14	3 22	2 19	19 58	2 45	2 46	0 24	8 42	1 19	3 51	2 37	23 18	0 18	20 52	0 38	16 29	6 55	18 24	18 37	18 56	9 35	6 17			
M20	11 0	21 30	5 11	3 8	2 34	19 56	2 40	3 5	0 23	8 45	1 20	3 49	2 37	23 18	0 18	20 52	0 38	16 30	6 55	18 24	18 38	18 58	9 34	6 17			
T 21	10 38	24 24	4 55	2 58	2 48	19 53	2 36	3 24	0 22	8 48	1 20	3 48	2 37	23 17	0 18	20 52	0 38	16 30	6 55	18 25	18 38	19 1	9 32	6 17			
W22	10 16	26 16	4 26	2 53	3 1	19 50	2 31	3 42	0 21	8 51	1 20	3 47	2 37	23 17	0 18	20 51	0 38	16 30	6 55	18 25	18 39	19 3	9 31	6 17			
T 23	9 54	26 54	3 45	2 53	3 13	19 46	2 26	4 0	0 20	8 55	1 20	3 46	2 37	23 17	0 18	20 51	0 38	16 30	6 54	18 24	18 40	19 5	9 29	6 17			
F 24	9 32	26 14	2 52	2 59	3 23	19 42	2 22	4 19	0 20	8 58	1 20	3 44	2 38	23 17	0 18	20 51	0 38	16 30	6 54	18 24	18 41	19 7	9 28	6 18			
S 25	9 10	24 11	1 50	3 8	3 31	19 37	2 17	4 37	0 19	9 1	1 20	3 43	2 38	23 17	0 18	20 51	0 38	16 31	6 54	18 24	18 42	19 9	9 26	6 18			
S 26	8 48	20 48	0 41	3 23	3 37	19 32	2 12	4 56	0 18	9 4	1 20	3 41	2 38	23 16	0 18	20 50	0 38	16 31	6 54	18 23	18 42	19 11	9 25	6 18			
M27	8 25	16 15	0n33	3 41	3 41	19 26	2 8	5 14	0 17	9 7	1 20	3 40	2 38	23 16	0 18	20 50	0 38	16 31	6 54	18 23	18 43	19 14	9 24	6 18			
T 28	8s 3	10s43	1n46	4s 2	3n43	19s20	2n 3	5n32	0s16	9n10	1n20	3s39	2n39	23s16	0s18	20s50	0n38	16n31	6s54	18s24	18s44	19s16	9s22	6n18			

ASTRODIENST EPHEMERIS for the year 2158

geocentric

MARCH 2158

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 35 24	10°23'43	11°35	9°R50	24°345	15°V27	9°R34	15°R24	11°3 2	23°3 3	28°R22	7°R24	6°3 3	8°M51	18°315	W 1
T 2	10 39 20	11°24'02	26° 6	8°H46	25°52	16°12	9°M27	15°21	11° 4	23° 4	28°H21	7°M19	6° 0	8°57	18°19	T 2
F 3	10 43 17	12°24'19	10°Y47	7°42	26°58	16°57	9°19	15°17	11° 6	23° 6	28°21	7°14	5°56	9° 4	18°24	F 3
S 4	10 47 13	13°24'34	25°31	6°40	28° 5	17°42	9°11	15°14	11° 8	23° 8	28°21	7° 9	5°53	9°11	18°28	S 4
S 5	10 51 10	14°24'48	10°8 9	5°42	29°12	18°27	9° 3	15°10	11°10	23° 9	28°21	7° 4	5°50	9°18	18°32	S 5
M 6	10 55 7	15°24'59	24°38	4°49	0°M19	19°12	8°55	15° 7	11°12	23°11	28°21	7° 0	5°47	9°24	18°37	M 6
T 7	10 59 3	16°25'08	8°H52	4° 1	1°27	19°56	8°47	15° 3	11°14	23°12	28°20	6°59	5°44	9°31	18°41	T 7
W 8	11 3 0	17°25'15	22°49	3°19	2°34	20°41	8°40	14°59	11°16	23°14	28°20	6°D58	5°41	9°38	18°45	W 8
T 9	11 6 56	18°25'20	6°30	2°44	3°42	21°26	8°32	14°55	11°18	23°15	28°20	6°59	5°37	9°45	18°50	T 9
F 10	11 10 53	19°25'23	19°54	2°15	4°50	22°11	8°24	14°51	11°20	23°17	28°20	7° 1	5°34	9°51	18°54	F 10
S 11	11 14 49	20°25'24	3°R 4	1°53	5°58	22°55	8°17	14°47	11°22	23°18	28°20	7°R 2	5°31	9°58	18°58	S 11
S 12	11 18 46	21°25'22	16° 2	1°38	7° 6	23°40	8° 9	14°43	11°24	23°20	28°20	7° 1	5°28	10° 5	19° 2	S 12
M13	11 22 42	22°25'19	28°47	1°29	8°14	24°25	8° 2	14°39	11°25	23°21	28°D20	6°59	5°25	10°11	19° 6	M13
T 14	11 26 39	23°25'13	11°M22	1°D27	9°22	25° 9	7°54	14°35	11°27	23°22	28°20	6°55	5°22	10°18	19°10	T 14
W15	11 30 36	24°25'05	23°47	1°31	10°31	25°54	7°47	14°31	11°29	23°24	28°20	6°48	5°18	10°25	19°14	W15
T 16	11 34 32	25°24'56	6°2 2	1°41	11°39	26°38	7°40	14°27	11°30	23°25	28°20	6°39	5°15	10°32	19°19	T 16
F 17	11 38 29	26°24'44	18°10	1°56	12°48	27°22	7°33	14°22	11°32	23°26	28°20	6°30	5°12	10°38	19°22	F 17
S 18	11 42 25	27°24'31	0°M 9	2°17	13°57	28° 7	7°26	14°18	11°33	23°28	28°20	6°20	5° 9	10°45	19°26	S 18
S 19	11 46 22	28°24'16	12° 4	2°43	15° 6	28°51	7°19	14°14	11°35	23°29	28°21	6°11	5° 6	10°52	19°30	S 19
M20	11 50 18	29°23'59	23°56	3°13	16°15	29°35	7°12	14° 9	11°36	23°30	28°21	6° 3	5° 2	10°58	19°34	M20
T 21	11 54 15	0°Y23'41	5°H48	3°48	17°24	0°R19	7° 5	14° 5	11°38	23°31	28°21	5°58	4°59	11° 5	19°38	T 21
W22	11 58 11	1°23'20	17°44	4°27	18°33	1° 4	6°58	14° 0	11°39	23°32	28°21	5°54	4°56	11°12	19°42	W22
T 23	12 2 8	2°22'58	29°50	5°10	19°42	1°48	6°52	13°56	11°40	23°33	28°21	5°D53	4°53	11°19	19°46	T 23
F 24	12 6 5	3°22'35	12°3 9	5°56	20°52	2°32	6°45	13°51	11°41	23°34	28°22	5°53	4°50	11°25	19°49	F 24
S 25	12 10 1	4°22'09	24°48	6°46	22° 1	3°16	6°39	13°47	11°43	23°36	28°22	5°54	4°47	11°32	19°53	S 25
S 26	12 13 58	5°21'42	7°M50	7°40	23°11	4° 0	6°33	13°42	11°44	23°37	28°22	5°R55	4°43	11°39	19°57	S 26
M27	12 17 54	6°21'13	21°20	8°36	24°21	4°44	6°27	13°37	11°45	23°38	28°22	5°54	4°40	11°46	20° 0	M27
T 28	12 21 51	7°20'42	5°H17	9°35	25°30	5°28	6°21	13°33	11°46	23°38	28°23	5°50	4°37	11°52	20° 4	T 28
W29	12 25 47	8°20'09	19°42	10°36	26°40	6°11	6°15	13°28	11°47	23°39	28°23	5°44	4°34	11°59	20° 7	W29
T 30	12 29 44	9°19'34	4°Y30	11°41	27°50	6°55	6°10	13°23	11°48	23°40	28°23	5°36	4°31	12° 6	20°11	T 30
F 31	12 33 40	10°Y18'57	19°Y33	12°H47	29°M 0	7°R39	6°M 4	13°21	11°48	23°41	28°H24	5°M27	4°M27	12°M12	20°M14	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	7s40	4s31	2n55	4s27	3n42	19s13	1n58	5n50	0s16	9n13	1n20	3s37	2n39	23s16	0s18	20s49
T 2	7 17	2n 2	3 54	4 53	3 39	19 6	1 54	6 8	0 15	9 16	1 20	3 36	2 39	23 16	0 18	20 49
F 3	6 54	8 32	4 38	5 21	3 35	18 58	1 49	6 26	0 14	9 19	1 21	3 34	2 39	23 16	0 18	20 49
S 4	6 31	14 34	5 4	5 50	3 28	18 50	1 44	6 44	0 13	9 22	1 21	3 33	2 39	23 15	0 18	20 49
S 5	6 8	19 45	5 10	6 19	3 19	18 41	1 39	7 2	0 13	9 25	1 21	3 31	2 40	23 15	0 18	20 48
M 6	5 45	23 42	4 56	6 48	3 9	18 31	1 35	7 20	0 12	9 28	1 21	3 29	2 40	23 15	0 18	20 48
T 7	5 21	26 6	4 24	7 15	2 58	18 22	1 30	7 37	0 11	9 31	1 21	3 28	2 40	23 15	0 18	20 48
W 8	4 58	26 50	3 37	7 42	2 46	18 11	1 25	7 55	0 10	9 34	1 21	3 26	2 40	23 15	0 18	20 47
T 9	4 35	25 53	2 38	8 7	2 33	18 0	1 21	8 12	0 10	9 37	1 21	3 25	2 40	23 15	0 18	20 47
F 10	4 11	23 27	1 31	8 30	2 19	17 49	1 16	8 30	0 9	9 40	1 21	3 23	2 40	23 15	0 18	20 47
S 11	3 47	19 48	0 21	8 51	2 5	17 37	1 11	8 47	0 8	9 42	1 21	3 21	2 41	23 14	0 18	20 47
S 12	3 24	15 15	0s48	9 10	1 51	17 25	1 7	9 4	0 7	9 45	1 21	3 20	2 41	23 14	0 18	20 46
M13	3 0	10 6	1 55	9 26	1 36	17 12	1 2	9 21	0 7	9 48	1 21	3 18	2 41	23 14	0 19	20 46
T 14	2 37	4 36	2 54	9 40	1 22	16 58	0 57	9 38	0 6	9 51	1 21	3 16	2 41	23 14	0 19	20 46
W15	2 13	0s58	3 45	9 52	1 8	16 44	0 53	9 55	0 5	9 54	1 21	3 14	2 41	23 14	0 19	20 46
T 16	1 49	6 26	4 24	10 2	0 54	16 30	0 48	10 12	0 4	9 56	1 21	3 13	2 41	23 14	0 19	20 46
F 17	1 26	11 35	4 51	10 9	0 40	16 15	0 44	10 28	0 4	9 59	1 21	3 11	2 41	23 14	0 19	20 45
S 18	1 2	16 15	5 4	10 14	0 27	16 0	0 39	10 45	0 3	10 1	1 21	3 9	2 41	23 14	0 19	20 45
S 19	0 38	20 16	5 4	10 17	0 14	15 44	0 35	11 1	0 2	10 4	1 21	3 7	2 42	23 14	0 19	20 45
M20	0 14	23 26	4 51	10 18	0 1	15 28	0 31	11 18	0 2	10 7	1 21	3 6	2 42	23 13	0 19	20 45
T 21	0n 9	25 37	4 26	10 17	0s11	15 11	0 26	11 34	0 1	10 9	1 21	3 4	2 42	23 13	0 19	20 44
W22	0 33	26 39	3 49	10 13	0 23	14 54	0 22	11 50	0 0	10 11	1 21	3 2	2 42	23 13	0 19	20 44
T 23	0 57	26 26	3 1	10 8	0 34	14 37	0 18	12 6	0n 1	10 14	1 20	3 0	2 42	23 13	0 19	20 44
F 24	1 20	24 55	2 4	10 1	0 45	14 19	0 14	12 22	0 1	10 16	1 20	2 58	2 42	23 13	0 19	20 44
S 25	1 44	22 7	0 59	9 52	0 55	14 0	0 10	12 37	0 2	10 18	1 20	2 56	2 42	23 13	0 19	20 44
S 26	2 8	18 8	0n10	9 41	1 4	13 42	0 5	12 53	0 3	10 21	1 20	2 55	2 42	23 13	0 19	20 43
M27	2 31	13 6	1 21	9 29	1 14	13 22	0 1	13 8	0 3	10 23	1 20	2 53	2 42	23 13	0 19	20 43
T 28	2 55	7 14	2 30	9 14	1 22	13 3	0s 3	13 24	0 4	10 25	1 20	2 51	2 42	23 13	0 19	20 43
W29	3 18	0 50	3 31	8 59	1 30	12 43	0 6	13 39	0 5	10 27	1 20	2 49	2 42	23 13	0 19	20 43
T 30	3 42	5n46	4 20	8 41	1 38	12 23	0 10	13 54	0 5	10 29	1 20	2 47	2 42	23 13	0 19	20 43
F 31	4n 5	12n 8	4n51	8s22	1s45	12s 2	0s14	14n 9	0n 6	10n31	1n20	2s45	2n42	23s13	0s19	20s43

Julian Day Number = 2509312.5, Delta T = 127.44 sec

Ecliptic obliquity = 23°25'13, Nutation = 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 26°57'01, Lahiri = 26°04'02

ASTRODIENST EPHEMERIS for the year 2158
geocentric

APRIL 2158

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 37 37	11°18'19	48°42	13°56	0°10	8°23	5°R59	13°R14	11°349	23°342	28°II24	5°R17	4°24	12°19	20°18	S 1
S 2	12 41 33	12°17'38	19°45	15° 8	1°21	9° 6	5°17	13° 9	11°50	23°43	28°25	5° 7	4°21	12°26	20°21	S 2
M 3	12 45 30	13°16'55	4°II34	16°21	2°31	9°50	5°49	13° 5	11°51	23°44	28°25	5° 0	4°18	12°33	20°24	M 3
T 4	12 49 27	14°16'09	19° 3	17°36	3°41	10°34	5°44	13° 0	11°51	23°44	28°26	4°55	4°15	12°39	20°28	T 4
W 5	12 53 23	15°15'22	3°36	18°54	4°51	11°17	5°39	12°55	11°52	23°45	28°26	4°53	4°12	12°46	20°31	W 5
T 6	12 57 20	16°14'32	16°48	20°13	6° 2	12° 1	5°34	12°51	11°52	23°46	28°27	4°D53	4° 8	12°53	20°34	T 6
F 7	13 1 16	17°13'39	0°06	21°34	7°12	12°44	5°30	12°46	11°53	23°46	28°27	4°R53	4° 5	12°59	20°37	F 7
S 8	13 5 13	18°12'45	13° 5	22°57	8°23	13°27	5°26	12°41	11°53	23°47	28°28	4°53	4° 2	13° 6	20°40	S 8
S 9	13 9 9	19°11'48	25°48	24°21	9°33	14°11	5°22	12°37	11°54	23°47	28°28	4°51	3°59	13°13	20°43	S 9
M10	13 13 6	20°10'48	8°17	25°47	10°44	14°54	5°18	12°32	11°54	23°48	28°29	4°47	3°56	13°20	20°46	M10
T 11	13 17 2	21° 9'47	20°36	27°15	11°55	15°37	5°14	12°28	11°54	23°48	28°30	4°40	3°53	13°26	20°49	T 11
W12	13 20 59	22° 8'43	2°48	28°45	13° 5	16°20	5°10	12°23	11°55	23°49	28°30	4°30	3°49	13°33	20°52	W12
T 13	13 24 56	23° 7'37	14°52	0°Y16	14°16	17° 3	5° 7	12°19	11°55	23°49	28°31	4°18	3°46	13°40	20°55	T 13
F 14	13 28 52	24° 6'29	26°52	1°49	15°27	17°47	5° 4	12°14	11°55	23°50	28°32	4° 4	3°43	13°47	20°57	F 14
S 15	13 32 49	25° 5'19	8°14	3°24	16°38	18°30	5° 1	12° 9	11°55	23°50	28°32	3°50	3°40	13°53	21° 0	S 15
S 16	13 36 45	26° 4'07	20°40	5° 0	17°49	19°13	4°58	12° 5	11°R55	23°50	28°33	3°36	3°37	14° 0	21° 3	S 16
M17	13 40 42	27° 2'54	2°31	6°37	19° 0	19°55	4°55	12° 1	11°55	23°51	28°34	3°25	3°33	14° 7	21° 5	M17
T 18	13 44 38	28° 1'39	14°24	8°16	20°11	20°38	4°53	11°56	11°55	23°51	28°35	3°16	3°30	14°13	21° 8	T 18
W19	13 48 35	29° 0'21	26°21	9°57	21°22	21°21	4°51	11°52	11°55	23°51	28°36	3°10	3°27	14°20	21°10	W19
T 20	13 52 31	29°59'03	8°36	11°40	22°33	22° 4	4°48	11°47	11°55	23°51	28°36	3° 7	3°24	14°27	21°12	T 20
F 21	13 56 28	0°57'42	20°44	13°24	23°44	22°47	4°47	11°43	11°54	23°52	28°37	3° 5	3°21	14°34	21°15	F 21
S 22	14 0 25	1°56'20	3°19	15° 9	24°56	23°29	4°45	11°39	11°54	23°52	28°38	3° 5	3°18	14°40	21°17	S 22
S 23	14 4 21	2°54'56	16°16	16°57	26° 7	24°12	4°43	11°35	11°54	23°52	28°39	3° 5	3°14	14°47	21°19	S 23
M24	14 8 18	3°53'30	29°39	18°46	27°18	24°55	4°42	11°31	11°53	23°52	28°40	3° 3	3°11	14°54	21°21	M24
T 25	14 12 14	4°52'03	13°32	20°36	28°30	25°37	4°41	11°26	11°53	23°52	28°41	3° 0	3° 8	15° 0	21°23	T 25
W26	14 16 11	5°50'34	27°54	22°28	29°41	26°20	4°40	11°22	11°52	23°R52	28°42	2°53	3° 5	15° 7	21°26	W26
T 27	14 20 7	6°49'03	12°Y42	24°22	0°Y52	27° 2	4°39	11°18	11°52	23°52	28°42	2°45	3° 2	15°14	21°27	T 27
F 28	14 24 4	7°47'31	27°51	26°18	2° 4	27°45	4°38	11°15	11°51	23°52	28°43	2°34	2°59	15°21	21°29	F 28
S 29	14 28 0	8°45'57	13°810	28°15	3°15	28°27	4°38	11°11	11°51	23°52	28°44	2°23	2°55	15°27	21°31	S 29
S 30	14 31 57	9°44'21	28°827	0°814	4°Y27	29°8 9	4°17	11°11	11°50	23°52	28°45	2°13	2°52	15°34	21°33	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	4n28	17n49	5n 3	8s 2	1s52	11s41	0s18	14n24	0n 7	10n33	1n20	2s43	2n43	23s13	0s19	20s42
S 2	4 51	22 21	4 53	7 40	1 58	11 19	0 22	14 38	0 8	10 35	1 20	2 42	2 43	23 13	0 19	20 42
M 3	5 14	25 21	4 24	7 17	2 4	10 58	0 25	14 53	0 8	10 36	1 20	2 40	2 43	23 13	0 19	20 42
T 4	5 37	26 35	3 38	6 52	2 9	10 36	0 29	15 7	0 9	10 38	1 19	2 38	2 43	23 12	0 19	20 42
W 5	6 0	26 3	2 40	6 26	2 13	10 13	0 32	15 21	0 10	10 40	1 19	2 36	2 43	23 12	0 19	20 42
T 6	6 23	23 56	1 34	5 59	2 18	9 51	0 36	15 35	0 10	10 41	1 19	2 34	2 43	23 12	0 19	20 42
F 7	6 46	20 31	0 25	5 30	2 21	9 28	0 39	15 49	0 11	10 43	1 19	2 33	2 43	23 12	0 19	20 42
S 8	7 8	16 11	0s43	5 0	2 24	9 4	0 42	16 3	0 11	10 44	1 19	2 31	2 43	23 12	0 19	20 42
S 9	7 31	11 13	1 48	4 29	2 27	8 41	0 45	16 16	0 12	10 46	1 19	2 29	2 43	23 12	0 19	20 41
M10	7 53	5 52	2 47	3 57	2 29	8 17	0 49	16 30	0 13	10 47	1 19	2 27	2 43	23 12	0 19	20 41
T 11	8 15	0 24	3 37	3 24	2 31	7 53	0 52	16 43	0 13	10 48	1 19	2 25	2 43	23 12	0 19	20 41
W12	8 37	5s 1	4 16	2 49	2 32	7 29	0 55	16 56	0 14	10 49	1 19	2 24	2 43	23 12	0 19	20 41
T 13	8 59	10 12	4 43	2 13	2 32	7 4	0 58	17 9	0 15	10 51	1 18	2 22	2 43	23 12	0 19	20 41
F 14	9 21	14 58	4 57	1 37	2 32	6 39	1 0	17 22	0 15	10 52	1 18	2 20	2 42	23 12	0 19	20 41
S 15	9 42	19 7	4 59	0 59	2 32	6 14	1 3	17 34	0 16	10 53	1 18	2 18	2 42	23 12	0 19	20 41
S 16	10 4	22 30	4 47	0 20	2 31	5 49	1 6	17 47	0 17	10 54	1 18	2 17	2 42	23 12	0 19	20 41
M17	10 25	24 56	4 23	0n20	2 30	5 24	1 8	17 59	0 17	10 54	1 18	2 15	2 42	23 12	0 19	20 41
T 18	10 46	26 16	3 47	1 1	2 28	4 58	1 11	18 11	0 18	10 55	1 18	2 13	2 42	23 13	0 19	20 41
W19	11 7	26 23	3 1	1 43	2 25	4 33	1 13	18 23	0 18	10 56	1 18	2 12	2 42	23 13	0 19	20 41
T 20	11 27	25 15	2 6	2 25	2 22	4 7	1 16	18 35	0 19	10 56	1 17	2 10	2 42	23 13	0 19	20 41
F 21	11 48	22 53	1 5	3 9	2 19	3 41	1 18	18 46	0 20	10 57	1 17	2 9	2 42	23 13	0 19	20 41
S 22	12 8	19 23	0n 1	3 54	2 15	3 14	1 20	18 57	0 20	10 58	1 17	2 7	2 42	23 13	0 20	20 41
S 23	12 28	14 51	1 9	4 39	2 10	2 48	1 22	19 9	0 21	10 58	1 17	2 5	2 42	23 13	0 20	20 41
M24	12 48	9 28	2 15	5 25	2 5	2 21	1 24	19 20	0 21	10 58	1 17	2 4	2 42	23 13	0 20	20 40
T 25	13 8	3 27	3 16	6 11	2 0	1 55	1 26	19 30	0 22	10 59	1 17	2 2	2 42	23 13	0 20	20 40
W26	13 28	2n56	4 7	6 59	1 54	1 28	1 28	19 41	0 23	10 59	1 16	2 1	2 42	23 13	0 20	20 40
T 27	13 47	9 21	4 42	7 46	1 47	1 1	1 30	19 51	0 23	10 59	1 16	2 0	2 41	23 13	0 20	20 40
F 28	14 6	15 21	4 59	8 35	1 40	0 35	1 31	20 2	0 24	10 59	1 16	1 58	2 41	23 13	0 20	20 40
S 29	14 25	20 28	4 55	9 24	1 33	0 8	1 33	20 12	0 24	10 59	1 16	1 57	2 41	23 13	0 20	20 40
S 30	14n43	24n11	4n30	10n13	1s25	0n19	1s34	20n22	0n25	10n59	1n16	1s55	2n41	23s13	0s20	20s40

Julian Day Number = 2509343.5, Delta T = 127.50 sec
Ecliptic obliquity = 23°25'13", Nutation = 0°00'13", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°57'06", Lahiri = 26°04'06"

ASTRODIENST EPHEMERIS for the year 2158

geocentric

MAY 2158

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 35 54	10♌42'44	13♊32	2♈14	5♊38	29♌52	4°D37	11°R 3	11°R49	23°R52	28♊46	2°R 4	2♌49	15♌41	21♌35	M 1
T 2	14 39 50	11°41'04	28°15	4°16	6°50	0♊34	4♊37	10♌59	11♌48	23♌51	28°47	1♌58	2°46	15°48	21°36	T 2
W 3	14 43 47	12°39'22	12♌32	6°19	8° 2	1°16	4°38	10°56	11°48	23°51	28°48	1°55	2°43	15°54	21°38	W 3
T 4	14 47 43	13°37'39	26°21	8°24	9°13	1°58	4°38	10°52	11°47	23°51	28°50	1°D54	2°39	16° 1	21°40	T 4
F 5	14 51 40	14°35'53	9♌44	10°30	10°25	2°40	4°39	10°49	11°46	23°51	28°51	1°R54	2°36	16° 8	21°41	F 5
S 6	14 55 36	15°34'05	22°42	12°37	11°37	3°22	4°40	10°45	11°45	23°50	28°52	1°54	2°33	16°14	21°42	S 6
S 7	14 59 33	16°32'15	5♊20	14°45	12°48	4° 4	4°41	10°42	11°44	23°50	28°53	1°53	2°30	16°21	21°44	S 7
M 8	15 3 29	17°30'23	17°43	16°54	14° 0	4°46	4°42	10°39	11°43	23°50	28°54	1°49	2°27	16°28	21°45	M 8
T 9	15 7 26	18°28'29	29°54	19° 4	15°12	5°28	4°43	10°35	11°42	23°49	28°55	1°43	2°24	16°35	21°46	T 9
W10	15 11 23	19°26'33	11♌56	21°14	16°24	6°10	4°45	10°32	11°41	23°49	28°56	1°34	2°20	16°41	21°47	W10
T 11	15 15 19	20°24'35	23°53	23°25	17°35	6°52	4°47	10°29	11°39	23°48	28°57	1°23	2°17	16°48	21°48	T 11
F 12	15 19 16	21°22'36	5♊47	25°35	18°47	7°34	4°48	10°26	11°38	23°48	28°58	1°11	2°14	16°55	21°49	F 12
S 13	15 23 12	22°20'35	17°40	27°45	19°59	8°16	4°51	10°23	11°37	23°47	29° 0	0°58	2°11	17° 1	21°50	S 13
S 14	15 27 9	23°18'33	29°32	29°54	21°11	8°57	4°53	10°21	11°36	23°47	29° 1	0°46	2° 8	17° 8	21°51	S 14
M15	15 31 5	24°16'29	11♌26	2♊ 2	22°23	9°39	4°55	10°18	11°34	23°46	29° 2	0°35	2° 5	17°15	21°52	M15
T 16	15 35 2	25°14'23	23°23	4°10	23°35	10°20	4°58	10°15	11°33	23°45	29° 3	0°27	2° 1	17°22	21°53	T 16
W17	15 38 58	26°12'16	5♌26	6°15	24°47	11° 2	5° 1	10°13	11°31	23°45	29° 4	0°22	1°58	17°28	21°54	W17
T 18	15 42 55	27°10'08	17°36	8°19	25°59	11°44	5° 4	10°10	11°30	23°44	29° 6	0°19	1°55	17°35	21°54	T 18
F 19	15 46 52	28° 7'59	29°58	10°21	27°11	12°25	5° 7	10° 8	11°28	23°43	29° 7	0°D18	1°52	17°42	21°55	F 19
S 20	15 50 48	29° 5'48	12♌34	12°21	28°23	13° 6	5°10	10° 6	11°27	23°43	29° 8	0°18	1°49	17°48	21°55	S 20
S 21	15 54 45	0♊ 3'36	25°30	14°18	29°35	13°48	5°14	10° 4	11°25	23°42	29° 9	0°R19	1°45	17°55	21°56	S 21
M22	15 58 41	1° 1'23	8♊49	16°13	0♊47	14°29	5°17	10° 1	11°24	23°41	29°11	0°19	1°42	18° 2	21°56	M22
T 23	16 2 38	1°59'09	22°34	18° 5	1°59	15°10	5°21	9°59	11°22	23°40	29°12	0°17	1°39	18° 9	21°56	T 23
W24	16 6 34	2°56'54	6♊45	19°54	3°11	15°52	5°25	9°58	11°20	23°39	29°13	0°13	1°36	18°15	21°57	W24
T 25	16 10 31	3°54'37	21°23	21°41	4°23	16°33	5°29	9°56	11°19	23°38	29°15	0° 7	1°33	18°22	21°57	T 25
F 26	16 14 27	4°52'20	6♌21	23°24	5°35	17°14	5°33	9°54	11°17	23°38	29°16	29♌59	1°30	18°29	21°57	F 26
S 27	16 18 24	5°50'02	21°33	25° 5	6°48	17°55	5°38	9°52	11°15	23°37	29°17	29°51	1°26	18°35	21°57	S 27
S 28	16 22 21	6°47'42	6♊47	26°42	8° 0	18°36	5°42	9°51	11°13	23°36	29°19	29°44	1°23	18°42	21°57	S 28
M29	16 26 17	7°45'22	21°53	28°17	9°12	19°17	5°47	9°49	11°11	23°35	29°20	29°37	1°20	18°49	21°57	M29
T 30	16 30 14	8°43'00	6♌43	29°48	10°24	19°58	5°52	9°48	11° 9	23°34	29°21	29°33	1°17	18°56	21°57	T 30
W31	16 34 10	9♊40'37	21♌ 7	1♌16	11♌36	20♊39	5♊57	9♌47	11♌ 7	23♌33	29♊23	29♌31	1♌14	19♌ 2	21♌56	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	15n 2	26n 8	3n46	11n 2	1s17	0n46	1s36	20n31	0n26	10n59	1n16	1s54	2n41	23s13	0s20	20s40
T 2	15 20	26 12	2 48	11 52	1 8	1 13	1 37	20 41	0 26	10 59	1 15	1 53	2 41	23 13	0 20	20 41
W 3	15 37	24 30	1 41	12 41	0 59	1 40	1 38	20 50	0 27	10 58	1 15	1 51	2 41	23 14	0 20	20 41
T 4	15 55	21 21	0 29	13 31	0 50	2 7	1 40	20 59	0 27	10 58	1 15	1 50	2 41	23 14	0 20	20 41
F 5	16 12	17 8	0s41	14 20	0 40	2 35	1 41	21 8	0 28	10 58	1 15	1 49	2 40	23 14	0 20	20 41
S 6	16 29	12 14	1 48	15 8	0 30	3 2	1 42	21 17	0 28	10 57	1 15	1 48	2 40	23 14	0 20	20 41
S 7	16 46	6 57	2 47	15 56	0 20	3 29	1 43	21 25	0 29	10 57	1 15	1 47	2 40	23 14	0 20	20 41
M 8	17 3	1 31	3 37	16 44	0 9	3 56	1 43	21 33	0 29	10 56	1 14	1 45	2 40	23 14	0 20	20 41
T 9	17 19	3s53	4 17	17 30	0n 1	4 23	1 44	21 41	0 30	10 55	1 14	1 44	2 40	23 14	0 20	20 41
W10	17 35	9 4	4 44	18 15	0 12	4 50	1 45	21 49	0 31	10 55	1 14	1 43	2 40	23 14	0 20	20 41
T 11	17 50	13 53	4 49	18 58	0 22	5 16	1 45	21 57	0 31	10 54	1 14	1 42	2 40	23 14	0 20	20 41
F 12	18 5	18 9	5 0	19 40	0 33	5 43	1 46	22 4	0 32	10 53	1 14	1 41	2 39	23 15	0 20	20 41
S 13	18 20	21 42	4 49	20 21	0 43	6 10	1 46	22 12	0 32	10 52	1 14	1 40	2 39	23 15	0 20	20 41
S 14	18 35	24 21	4 25	20 59	0 53	6 37	1 47	22 19	0 33	10 51	1 13	1 39	2 39	23 15	0 20	20 41
M15	18 49	25 55	3 49	21 35	1 3	7 3	1 47	22 26	0 33	10 50	1 13	1 38	2 39	23 15	0 20	20 41
T 16	19 4	26 18	3 3	22 9	1 12	7 29	1 47	22 32	0 34	10 49	1 13	1 38	2 39	23 15	0 20	20 41
W17	19 17	25 27	2 8	22 40	1 21	7 56	1 47	22 39	0 34	10 48	1 13	1 37	2 38	23 15	0 20	20 41
T 18	19 31	23 22	1 7	23 9	1 29	8 22	1 47	22 45	0 35	10 47	1 13	1 36	2 38	23 15	0 20	20 42
F 19	19 44	20 10	0 2	23 35	1 37	8 48	1 47	22 51	0 35	10 45	1 13	1 35	2 38	23 16	0 20	20 42
S 20	19 56	15 59	1n 5	23 59	1 44	9 13	1 47	22 57	0 36	10 44	1 12	1 34	2 38	23 16	0 20	20 42
S 21	20 9	10 58	2 10	24 20	1 51	9 39	1 47	23 2	0 36	10 42	1 12	1 34	2 38	23 16	0 20	20 42
M22	20 21	5 19	3 11	24 38	1 56	10 4	1 46	23 8	0 37	10 41	1 12	1 33	2 37	23 16	0 20	20 42
T 23	20 33	0n45	4 2	24 54	2 1	10 30	1 46	23 13	0 37	10 39	1 12	1 33	2 37	23 16	0 20	20 42
W24	20 44	6 58	4 40	25 7	2 6	10 55	1 46	23 18	0 38	10 38	1 12	1 32	2 37	23 16	0 20	20 42
T 25	20 55	12 59	5 2	25 18	2 9	11 19	1 45	23 22	0 38	10 36	1 12	1 32	2 37	23 17	0 20	20 42
F 26	21 5	18 24	5 3	25 27	2 12	11 44	1 44	23 27	0 39	10 34	1 11	1 31	2 37	23 17	0 20	20 43
S 27	21 16	22 42	4 44	25 33	2 13	12 8	1 44	23 31	0 39	10 33	1 11	1 31	2 36	23 17	0 20	20 43
S 28	21 26	25 26	4 4	25 37	2 14	12 32	1 43	23 35	0 40	10 31	1 11	1 30	2 36	23 17	0 20	20 43
M29	21 35	26 18	3 8	25 39	2 15	12 56	1 42	23 39	0 40	10 29	1 11	1 30	2 36	23 17	0 20	20 43
T 30	21 44	25 14	2 0	25 39	2 14	13 20	1 41	23 43	0 40	10 27	1 11	1 30	2 36	23 17	0 20	20 43
W31	21n53	22n30	0n45	25n37	2n12	13n43	1s40	23n46	0n41	10n25	1n11	1s29	2n35	23s18	0s20	20s43

Julian Day Number = 2509373.5, Delta T = 127.56 sec

Ecliptic obliquity = 23°25'12, Nutation = 0°00'13, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 26°57'10, Lahiri = 26°04'10

ASTRODIENST EPHEMERIS for the year 2158

geocentric

JUNE 2158

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 38 7	10 ^{II} 38'12	5 [♂] 5	2 [♂] 41	12 [♂] 49	21 ^{II} 20	6 [♂] 2	9 [♂] R46	11 [♂] R 6	23 [♂] R32	29 ^{II} 24	29 [♂] D31	1 [♂] 11	19 [♂] 9	21 [♂] R56	T 1
F 2	16 42 3	11 [♂] 35'46	18 [♂] 34	4 [♂] 2	14 [♂] 1	22 [♂] 1	6 [♂] 8	9 [♂] 45	11 [♂] 4	23 [♂] 31	29 [♂] 25	29 [♂] 32	1 [♂] 7	19 [♂] 16	21 [♂] 56	F 2
S 3	16 46 0	12 [♂] 33'18	1 [♂] 38	5 [♂] 20	15 [♂] 13	22 [♂] 42	6 [♂] 13	9 [♂] 44	11 [♂] 2	23 [♂] 29	29 [♂] 27	29 [♂] 33	1 [♂] 4	19 [♂] 23	21 [♂] 55	S 3
S 4	16 49 57	13 [♂] 30'49	14 [♂] 19	6 [♂] 35	16 [♂] 26	23 [♂] 23	6 [♂] 19	9 [♂] 43	10 [♂] 59	23 [♂] 28	29 [♂] 28	29 [♂] R34	1 [♂] 1	19 [♂] 29	21 [♂] 55	S 4
M 5	16 53 53	14 [♂] 28'19	26 [♂] 42	7 [♂] 47	17 [♂] 38	24 [♂] 4	6 [♂] 25	9 [♂] 42	10 [♂] 57	23 [♂] 27	29 [♂] 29	29 [♂] 33	0 [♂] 58	19 [♂] 36	21 [♂] 54	M 5
T 6	16 57 50	15 [♂] 25'48	8 [♂] 51	8 [♂] 55	18 [♂] 50	24 [♂] 44	6 [♂] 31	9 [♂] 42	10 [♂] 55	23 [♂] 26	29 [♂] 31	29 [♂] 30	0 [♂] 55	19 [♂] 43	21 [♂] 53	T 6
W 7	17 1 46	16 [♂] 23'15	20 [♂] 51	9 [♂] 59	20 [♂] 3	25 [♂] 25	6 [♂] 37	9 [♂] 41	10 [♂] 53	23 [♂] 25	29 [♂] 32	29 [♂] 26	0 [♂] 51	19 [♂] 49	21 [♂] 53	W 7
T 8	17 5 43	17 [♂] 20'41	2 [♂] 45	11 [♂] 0	21 [♂] 15	26 [♂] 6	6 [♂] 43	9 [♂] 41	10 [♂] 51	23 [♂] 24	29 [♂] 34	29 [♂] 20	0 [♂] 48	19 [♂] 56	21 [♂] 52	T 8
F 9	17 9 39	18 [♂] 18'06	14 [♂] 37	11 [♂] 58	22 [♂] 27	26 [♂] 46	6 [♂] 50	9 [♂] 40	10 [♂] 49	23 [♂] 22	29 [♂] 35	29 [♂] 13	0 [♂] 45	20 [♂] 3	21 [♂] 51	F 9
S 10	17 13 36	19 [♂] 15'30	26 [♂] 29	12 [♂] 51	23 [♂] 40	27 [♂] 27	6 [♂] 56	9 [♂] 40	10 [♂] 47	23 [♂] 21	29 [♂] 36	29 [♂] 5	0 [♂] 42	20 [♂] 10	21 [♂] 50	S 10
S 11	17 17 32	20 [♂] 12'53	8 [♂] 24	13 [♂] 41	24 [♂] 52	28 [♂] 7	7 [♂] 3	9 [♂] 40	10 [♂] 44	23 [♂] 20	29 [♂] 38	28 [♂] 58	0 [♂] 39	20 [♂] 16	21 [♂] 49	S 11
M12	17 21 29	21 [♂] 10'15	20 [♂] 23	14 [♂] 27	26 [♂] 5	28 [♂] 48	7 [♂] 10	9 [♂] D40	10 [♂] 42	23 [♂] 18	29 [♂] 39	28 [♂] 52	0 [♂] 36	20 [♂] 23	21 [♂] 48	M12
T 13	17 25 26	22 [♂] 7'37	2 [♂] 38	15 [♂] 8	27 [♂] 17	29 [♂] 28	7 [♂] 17	9 [♂] 40	10 [♂] 40	23 [♂] 17	29 [♂] 41	28 [♂] 48	0 [♂] 32	20 [♂] 30	21 [♂] 47	T 13
W14	17 29 22	23 [♂] 4'58	14 [♂] 41	15 [♂] 46	28 [♂] 30	0 [♂] 9	7 [♂] 24	9 [♂] 40	10 [♂] 38	23 [♂] 16	29 [♂] 42	28 [♂] 45	0 [♂] 29	20 [♂] 36	21 [♂] 46	W14
T 15	17 33 19	24 [♂] 2'18	27 [♂] 3	16 [♂] 20	29 [♂] 42	0 [♂] 49	7 [♂] 31	9 [♂] 40	10 [♂] 35	23 [♂] 15	29 [♂] 44	28 [♂] D44	0 [♂] 26	20 [♂] 43	21 [♂] 45	T 15
F 16	17 37 15	24 [♂] 59'37	9 [♂] 37	16 [♂] 49	0 [♂] II55	1 [♂] 29	7 [♂] 38	9 [♂] 41	10 [♂] 33	23 [♂] 13	29 [♂] 45	28 [♂] 45	0 [♂] 23	20 [♂] 50	21 [♂] 44	F 16
S 17	17 41 12	25 [♂] 56'56	22 [♂] 24	17 [♂] 14	2 [♂] 7	2 [♂] 10	7 [♂] 46	9 [♂] 41	10 [♂] 31	23 [♂] 12	29 [♂] 46	28 [♂] 46	0 [♂] 20	20 [♂] 57	21 [♂] 42	S 17
S 18	17 45 8	26 [♂] 54'15	5 [♂] 27	17 [♂] 34	3 [♂] 20	2 [♂] 50	7 [♂] 53	9 [♂] 42	10 [♂] 28	23 [♂] 10	29 [♂] 48	28 [♂] 47	0 [♂] 17	21 [♂] 3	21 [♂] 41	S 18
M19	17 49 5	27 [♂] 51'33	18 [♂] 48	17 [♂] 50	4 [♂] 33	3 [♂] 30	8 [♂] 1	9 [♂] 42	10 [♂] 26	23 [♂] 9	29 [♂] 49	28 [♂] 49	0 [♂] 13	21 [♂] 10	21 [♂] 39	M19
T 20	17 53 1	28 [♂] 48'51	2 [♂] 30	18 [♂] 2	5 [♂] 45	4 [♂] 10	8 [♂] 9	9 [♂] 43	10 [♂] 24	23 [♂] 8	29 [♂] 51	28 [♂] R49	0 [♂] 10	21 [♂] 17	21 [♂] 38	T 20
W21	17 56 58	29 [♂] 46'08	16 [♂] 33	18 [♂] 8	6 [♂] 58	4 [♂] 50	8 [♂] 17	9 [♂] 44	10 [♂] 21	23 [♂] 6	29 [♂] 52	28 [♂] 48	0 [♂] 7	21 [♂] 23	21 [♂] 36	W21
T 22	18 0 55	0 [♂] 43'25	0 [♂] 56	18 [♂] R11	8 [♂] 11	5 [♂] 30	8 [♂] 25	9 [♂] 45	10 [♂] 19	23 [♂] 5	29 [♂] 54	28 [♂] 46	0 [♂] 4	21 [♂] 30	21 [♂] 35	T 22
F 23	18 4 51	1 [♂] 40'43	15 [♂] 36	18 [♂] 9	9 [♂] 23	6 [♂] 11	8 [♂] 33	9 [♂] 46	10 [♂] 17	23 [♂] 3	29 [♂] 55	28 [♂] 43	0 [♂] 1	21 [♂] 37	21 [♂] 33	F 23
S 24	18 8 48	2 [♂] 38'00	0 [♂] II28	18 [♂] 2	10 [♂] 36	6 [♂] 51	8 [♂] 41	9 [♂] 47	10 [♂] 14	23 [♂] 2	29 [♂] 56	28 [♂] 39	29 [♂] 57	21 [♂] 44	21 [♂] 31	S 24
S 25	18 12 44	3 [♂] 35'16	15 [♂] 24	17 [♂] 51	11 [♂] 49	7 [♂] 31	8 [♂] 50	9 [♂] 48	10 [♂] 12	23 [♂] 0	29 [♂] 58	28 [♂] 36	29 [♂] 54	21 [♂] 50	21 [♂] 30	S 25
M26	18 16 41	4 [♂] 32'33	0 [♂] 16	17 [♂] 36	13 [♂] 2	8 [♂] 11	8 [♂] 58	9 [♂] 50	10 [♂] 9	22 [♂] 59	29 [♂] 59	28 [♂] 33	29 [♂] 51	21 [♂] 57	21 [♂] 28	M26
T 27	18 20 37	5 [♂] 29'49	14 [♂] 56	17 [♂] 17	14 [♂] 14	8 [♂] 51	9 [♂] 7	9 [♂] 51	10 [♂] 7	22 [♂] 57	0 [♂] 1	28 [♂] 31	29 [♂] 48	22 [♂] 4	21 [♂] 26	T 27
W28	18 24 34	6 [♂] 27'05	29 [♂] 18	16 [♂] 54	15 [♂] 27	9 [♂] 31	9 [♂] 15	9 [♂] 53	10 [♂] 5	22 [♂] 56	0 [♂] 2	28 [♂] D31	29 [♂] 45	22 [♂] 10	21 [♂] 24	W28
T 29	18 28 30	7 [♂] 24'20	13 [♂] 16	16 [♂] 28	16 [♂] 40	10 [♂] 10	9 [♂] 24	9 [♂] 55	10 [♂] 2	22 [♂] 54	0 [♂] 4	28 [♂] 31	29 [♂] 42	22 [♂] 17	21 [♂] 22	T 29
F 30	18 32 27	8 [♂] 21'35	26 [♂] 14	15 [♂] 59	17 [♂] II53	10 [♂] 50	9 [♂] 33	9 [♂] 56	10 [♂] 0	22 [♂] 53	0 [♂] 5	28 [♂] 33	29 [♂] 38	22 [♂] 14	21 [♂] 20	F 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 2158
geocentric

JULY 2158

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	18 36 24	9♉18'49	9♎57	15°R27	19♊6	11♉30	9♎42	9♉58	9°R57	22°R51	0♉6	28♊34	29♊35	22♎31	21°R18	S 1
S 2	18 40 20	10°16'03	22°42	14♉53	20°19	12°10	9°51	10° 0	9♉55	22♊49	0° 8	28°35	29°32	22°37	21♎16	S 2
M 3	18 44 17	11°13'16	5♉8	14°18	21°31	12°50	10° 1	10° 2	9°52	22°48	0° 9	28°36	29°29	22°44	21°13	M 3
T 4	18 48 13	12°10'29	17°19	13°42	22°44	13°29	10°10	10° 4	9°50	22°46	0°11	28°R36	29°26	22°51	21°11	T 4
W 5	18 52 10	13° 7'41	29°20	13° 5	23°57	14° 9	10°20	10° 7	9°47	22°45	0°12	28°35	29°23	22°57	21° 9	W 5
T 6	18 56 6	14° 4'54	11♎14	12°29	25°10	14°49	10°29	10° 9	9°45	22°43	0°13	28°34	29°19	23° 4	21° 7	T 6
F 7	19 0 3	15° 2'06	23° 6	11°54	26°23	15°28	10°39	10°11	9°43	22°41	0°15	28°32	29°16	23°11	21° 4	F 7
S 8	19 3 59	15°59'17	5♊0	11°21	27°36	16° 8	10°48	10°14	9°40	22°40	0°16	28°30	29°13	23°18	21° 2	S 8
S 9	19 7 56	16°56'29	16°58	10°49	28°49	16°47	10°58	10°16	9°38	22°38	0°18	28°29	29°10	23°24	20°59	S 9
M10	19 11 53	17°53'41	29° 4	10°21	0♉2	17°27	11° 8	10°19	9°35	22°37	0°19	28°27	29° 7	23°31	20°57	M10
T 11	19 15 49	18°50'52	11♉20	9°55	1°15	18° 6	11°18	10°22	9°33	22°35	0°20	28°26	29° 3	23°38	20°54	T 11
W12	19 19 46	19°48'04	23°47	9°33	2°29	18°46	11°28	10°25	9°31	22°33	0°22	28°D26	29° 0	23°44	20°52	W12
T 13	19 23 42	20°45'15	6♎27	9°16	3°42	19°25	11°39	10°28	9°28	22°32	0°23	28°26	28°57	23°51	20°49	T 13
F 14	19 27 39	21°42'27	19°19	9° 3	4°55	20° 5	11°49	10°31	9°26	22°30	0°24	28°26	28°54	23°58	20°46	F 14
S 15	19 31 35	22°39'40	2♊25	8°54	6° 8	20°44	11°59	10°34	9°24	22°28	0°26	28°27	28°51	24° 4	20°44	S 15
S 16	19 35 32	23°36'52	15°45	8°D51	7°21	21°23	12°10	10°37	9°21	22°27	0°27	28°27	28°48	24°11	20°41	S 16
M17	19 39 28	24°34'05	29°19	8°52	8°34	22° 3	12°20	10°41	9°19	22°25	0°28	28°28	28°44	24°18	20°38	M17
T 18	19 43 25	25°31'19	13♊7	8°59	9°48	22°42	12°31	10°44	9°17	22°24	0°30	28°28	28°41	24°25	20°35	T 18
W19	19 47 22	26°28'33	27° 9	9°12	11° 1	23°21	12°41	10°48	9°14	22°22	0°31	28°R28	28°38	24°31	20°32	W19
T 20	19 51 18	27°25'48	11♉22	9°30	12°14	24° 0	12°52	10°51	9°12	22°20	0°32	28°28	28°35	24°38	20°30	T 20
F 21	19 55 15	28°23'04	25°44	9°53	13°28	24°40	13° 3	10°55	9°10	22°19	0°34	28°D28	28°32	24°45	20°27	F 21
S 22	19 59 11	29°20'21	10♊13	10°23	14°41	25°19	13°14	10°59	9° 8	22°17	0°35	28°28	28°29	24°51	20°24	S 22
S 23	20 3 8	0♉17'38	24°44	10°57	15°54	25°58	13°25	11° 2	9° 5	22°16	0°36	28°28	28°25	24°58	20°21	S 23
M24	20 7 4	1°14'56	9♉11	11°38	17° 8	26°37	13°36	11° 6	9° 3	22°14	0°38	28°28	28°22	25° 5	20°18	M24
T 25	20 11 1	2°12'15	23°30	12°23	18°21	27°16	13°47	11°10	9° 1	22°12	0°39	28°R29	28°19	25°12	20°15	T 25
W26	20 14 58	3° 9'34	7♉35	13°14	19°35	27°55	13°58	11°14	8°59	22°11	0°40	28°29	28°16	25°18	20°12	W26
T 27	20 18 54	4° 6'54	21°23	14°11	20°48	28°34	14° 9	11°19	8°57	22° 9	0°41	28°28	28°13	25°25	20° 9	T 27
F 28	20 22 51	5° 4'14	4♎50	15°13	22° 2	29°13	14°21	11°23	8°55	22° 8	0°42	28°28	28° 9	25°32	20° 6	F 28
S 29	20 26 47	6° 1'34	17°57	16°20	23°15	29°52	14°32	11°27	8°52	22° 6	0°44	28°27	28° 6	25°38	20° 2	S 29
S 30	20 30 44	6°58'55	0♉43	17°32	24°29	0♉31	14°43	11°31	8°50	22° 4	0°45	28°26	28° 3	25°45	19°59	S 30
M31	20 34 40	7♉56'17	13♉11	18♉49	25♉42	1♉10	14♎55	11♉36	8♉48	22♉3	0♉46	28♉25	28♉0	25♎52	19♎56	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	23n 6	4n36	3s29	18n42	3s51	22n15	0s44	23n49	0n53	8n57	1n 6	1s41	2n28	23s24	0s21	20s50	0n39	16n49	6s36	20s26	20s13	22s58	7s46	6n59
S 2	23 1	1s 2	4 16	18 33	4 3	22 23	0 41	23 45	0 54	8 53	1 6	1 42	2 28	23 24	0 21	20 51	0 39	16 49	6 36	20 26	20 14	22 59	7 46	6 59
M 3	22 57	6 28	4 50	18 26	4 14	22 30	0 39	23 42	0 54	8 50	1 6	1 43	2 28	23 24	0 21	20 51	0 39	16 49	6 36	20 25	20 15	23 1	7 47	7 0
T 4	22 52	11 34	5 10	18 20	4 24	22 37	0 37	23 38	0 55	8 46	1 6	1 44	2 27	23 24	0 21	20 51	0 39	16 49	6 36	20 25	20 15	23 2	7 47	7 0
W 5	22 46	16 8	5 16	18 15	4 32	22 43	0 34	23 35	0 55	8 42	1 6	1 45	2 27	23 24	0 21	20 51	0 39	16 49	6 36	20 26	20 16	23 3	7 48	7 0
T 6	22 41	20 4	5 8	18 12	4 39	22 48	0 32	23 31	0 55	8 39	1 6	1 46	2 27	23 25	0 21	20 52	0 39	16 49	6 36	20 26	20 17	23 5	7 48	7 0
F 7	22 34	23 10	4 47	18 10	4 45	22 53	0 29	23 27	0 56	8 35	1 6	1 47	2 27	23 25	0 21	20 52	0 39	16 49	6 36	20 26	20 17	23 6	7 49	7 1
S 8	22 28	25 17	4 14	18 9	4 48	22 57	0 27	23 22	0 56	8 31	1 6	1 48	2 26	23 25	0 21	20 52	0 39	16 49	6 36	20 27	20 18	23 8	7 49	7 1
S 9	22 21	26 16	3 30	18 9	4 50	23 1	0 24	23 18	0 56	8 27	1 5	1 49	2 26	23 25	0 21	20 53	0 39	16 49	6 36	20 27	20 19	23 9	7 50	7 1
M10	22 13	26 0	2 35	18 11	4 51	23 4	0 21	23 13	0 57	8 23	1 5	1 51	2 26	23 25	0 21	20 53	0 39	16 49	6 36	20 27	20 19	23 10	7 50	7 1
T 11	22 6	24 29	1 33	18 14	4 50	23 6	0 19	23 8	0 57	8 20	1 5	1 52	2 26	23 25	0 21	20 53	0 39	16 49	6 36	20 27	20 20	23 12	7 51	7 2
W12	21 58	21 45	0 26	18 18	4 47	23 7	0 16	23 3	0 57	8 16	1 5	1 53	2 25	23 26	0 21	20 53	0 39	16 49	6 36	20 27	20 20	23 13	7 51	7 2
T 13	21 49	17 56	0n44	18 23	4 43	23 8	0 14	22 58	0 58	8 12	1 5	1 55	2 25	23 26	0 21	20 54	0 39	16 49	6 36	20 27	20 21	23 14	7 52	7 2
F 14	21 40	13 13	1 53	18 29	4 38	23 8	0 11	22 52	0 58	8 8	1 5	1 56	2 25	23 26	0 21	20 54	0 39	16 49	6 36	20 27	20 22	23 16	7 53	7 2
S 15	21 31	7 51	2 57	18 37	4 31	23 8	0 9	22 47	0 58	8 4	1 5	1 58	2 25	23 26	0 21	20 54	0 39	16 49	6 36	20 27	20 22	23 17	7 53	7 3
S 16	21 21	2 2	3 53	18 45	4 23	23 7	0 6	22 41	0 58	8 0	1 5	1 59	2 25	23 26	0 21	20 54	0 39	16 49	6 36	20 27	20 23	23 18	7 54	7 3
M17	21 11	3n58	4 37	18 53	4 14	23 5	0 4	22 35	0 59	7 55	1 5	2 1	2 24	23 26	0 21	20 55	0 39	16 49	6 36	20 27	20 24	23 20	7 55	7 3
T 18	21 1	9 52	5 6	19 3	4 4	23 2	0 1	22 29	0 59	7 51	1 5	2 2	2 24	23 27	0 21	20 55	0 39	16 49	6 36	20 27	20 24	23 21	7 55	7 3
W19	20 50	15 22	5 17	19 13	3 54	22 59	0n1	22 23	0 59	7 47	1 4	2 4	2 24	23 27	0 21	20 55	0 39	16 49	6 36	20 27	20 25	23 22	7 56	7 3
T 20	20 39	20 7	5 9	19 23	3 42	22 55	0 4	22 16	1 0	7 43	1 4	2 5	2 24	23 27	0 21	20 56	0 39	16 49	6 36	20 27	20 26	23 24	7 57	7 3
F 21	20 28	23 44	4 42	19 34	3 30	22 51	0 6	22 9	1 0	7 39	1 4	2 7	2 23	23 27	0 21	20 56	0 39	16 49	6 36	20 27	20 26	23 25	7 57	7 4
S 22	20 16	25 52	3 57	19 45	3 17	22 45	0 9	22 3	1 0	7 34	1 4	2 9	2 23	23 27	0 21	20 56	0 39	16 49	6 36	20 27	20 27	23 26	7 58	7 4
S 23	20 4	26 15	2 56	19 56	3 3	22 40	0 11	21 56	1 1	7 30	1 4	2 10	2 23	23 27	0 21	20 56	0 39	16 49	6 36	20 27	20 28	23 28	7 59	7 4
M24	19 52	24 51	1 45	20 6	2 49	22 33	0 14	21 49	1 1	7 26	1 4	2 12	2 23	23 28	0 21	20 57	0 39	16 49	6 36	20 27	20 28	23 29	8 0	7 4
T 25	19 39	21 50	0 28	20 16	2 35	22 26	0 16	21 41	1 1	7 21	1 4	2 14	2 23	23 28	0 21	20 57	0 39	16 49	6 36	20 27	20 29	23 30	8 1	7 4
W26	19 26	17 33	0s50	20 26	2 20	22 18	0 18	21 34	1 1	7 17	1 4	2 15	2 22	23 28	0 21	20 57	0 39	16 49	6 36	20 27	20 30	23 31	8 1	7 4
T 27	19 13	12 25	2 4	20 35	2 6	22 9	0 21	21 26	1 2	7 13	1 4	2 17	2 22	23 28	0 21	20 57	0 39	16 49	6 36	20 27	20 30	23 33	8 2	7 4
F 28	18 59	6 48	3 8	20 43	1 51	22 0	0 23	21 18	1 2	7 8	1 4	2 19	2 22	23 28	0 21	20 58	0 39	16 49	6 36	20 27	20 31	23 34	8 3	7 4
S 29	18 45	1 4	4 1	20 50	1 36	21 50	0 26	21 10	1 2	7 4	1 4	2 21	2 22	23 28	0 21	20 58	0 39	16 49	6 36	20 27	20 31	23 35	8 4	7 4
S 30	18 31	4s34	4 40	20 56	1 21	21 40	0 28	21 2	1 2	6 59	1 4	2 23	2 22	23 28	0 21	20 58	0 39	16 49	6 36	20 28	20 32	23 36	8 5	7 5
M31	18n16	9s53	5s 5	21n 0	1s 7	21n29	0n30	20n54	1n 3	6n55	1n 4	2s25	2n21	23s29	0s21	20s59	0n39	16n49	6s36	20s28	20s33	23s38	8s 6	7n 5

ASTRODIENST EPHEMERIS for the year 2158

geocentric

AUGUST 2158

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 38 37	8♂53'39	25♂24	20♂11	26♂56	1♂49	15♂7	11♂40	8♂R46	22♂R 1	0♂47	28♂R24	27♂57	25♂59	19♂R53	T 1
W 2	20 42 33	9°51'01	7♂25	21°38	28°10	2°28	15°18	11°45	8♂44	22♂0	0°48	28°D24	27°54	26°5	19°50	W 2
T 3	20 46 30	10°48'25	19°20	23°9	29°23	3°7	15°30	11°50	8°42	21°58	0°50	28♂24	27°50	26°12	19°47	T 3
F 4	20 50 27	11°45'48	1♂12	24°44	0♂37	3°46	15°42	11°55	8°40	21°57	0°51	28°24	27°47	26°19	19°43	F 4
S 5	20 54 23	12°43'13	13°7	26°24	1°51	4°24	15°53	11°59	8°39	21°55	0°52	28°26	27°44	26°25	19°40	S 5
S 6	20 58 20	13°40'38	25°8	28°7	3°4	5°3	16°5	12°4	8°37	21°54	0°53	28°27	27°41	26°32	19°37	S 6
M 7	21 2 16	14°38'04	7♂20	29°54	4°18	5°42	16°17	12°9	8°35	21°52	0°54	28°28	27°38	26°39	19°34	M 7
T 8	21 6 13	15°35'30	19°46	1♂44	5°32	6°21	16°29	12°14	8°33	21°51	0°55	28°29	27°34	26°45	19°31	T 8
W 9	21 10 9	16°32'58	2♂27	3°37	6°46	6°59	16°41	12°19	8°31	21°49	0°56	28°R29	27°31	26°52	19°27	W 9
T 10	21 14 6	17°30'26	15°26	5°33	8°0	7°38	16°53	12°25	8°30	21°48	0°57	28°28	27°28	26°59	19°24	T 10
F 11	21 18 2	18°27'55	28°41	7°30	9°13	8°17	17°5	12°30	8°28	21°47	0°58	28°27	27°25	27°6	19°21	F 11
S 12	21 21 59	19°25'26	12♂12	9°29	10°27	8°55	17°17	12°35	8°26	21°45	0°59	28°24	27°22	27°12	19°18	S 12
S 13	21 25 56	20°22'57	25°57	11°30	11°41	9°34	17°29	12°40	8°25	21°44	1°0	28°21	27°19	27°19	19°14	S 13
M14	21 29 52	21°20'30	9♂54	13°32	12°55	10°13	17°42	12°46	8°23	21°42	1°1	28°18	27°15	27°26	19°11	M14
T 15	21 33 49	22°18'04	23°58	15°34	14°9	10°51	17°54	12°51	8°22	21°41	1°2	28°16	27°12	27°32	19°8	T 15
W16	21 37 45	23°15'40	8♂8	17°37	15°23	11°30	18°6	12°57	8°20	21°40	1°3	28°14	27°9	27°39	19°5	W16
T 17	21 41 42	24°13'17	22°21	19°40	16°37	12°8	18°19	13°2	8°19	21°38	1°4	28°D13	27°6	27°46	19°2	T 17
F 18	21 45 38	25°10'56	6♂33	21°43	17°51	12°47	18°31	13°8	8°17	21°37	1°5	28°13	27°3	27°53	18°58	F 18
S 19	21 49 35	26°8'36	20°44	23°45	19°5	13°25	18°43	13°14	8°16	21°36	1°6	28°14	27°0	27°59	18°55	S 19
S 20	21 53 31	27°6'18	4♂50	25°47	20°19	14°4	18°56	13°20	8°15	21°35	1°7	28°16	26°56	28°6	18°52	S 20
M21	21 57 28	28°4'02	18°51	27°48	21°33	14°42	19°8	13°26	8°13	21°33	1°8	28°17	26°53	28°13	18°49	M21
T 22	22 1 25	29°1'47	2♂43	29°48	22°48	15°21	19°21	13°31	8°12	21°32	1°9	28°R17	26°50	28°19	18°46	T 22
W23	22 5 21	29°59'33	16°24	1♂47	24°2	15°59	19°33	13°37	8°11	21°31	1°9	28°16	26°47	28°26	18°42	W23
T 24	22 9 18	0♂57'21	29°52	3°45	25°16	16°37	19°46	13°43	8°10	21°30	1°10	28°13	26°44	28°33	18°39	T 24
F 25	22 13 14	1°55'10	13♂6	5°42	26°30	17°16	19°59	13°49	8°9	21°29	1°11	28°9	26°40	28°39	18°36	F 25
S 26	22 17 11	2°53'00	26°3	7°37	27°44	17°54	20°11	13°56	8°7	21°28	1°12	28°3	26°37	28°46	18°33	S 26
S 27	22 21 7	3°50'52	8♂44	9°31	28°59	18°32	20°24	14°2	8°6	21°27	1°13	27°57	26°34	28°53	18°30	S 27
M28	22 25 4	4°48'45	21°9	11°25	0♂13	19°11	20°37	14°8	8°5	21°25	1°13	27°51	26°31	29°0	18°27	M28
T 29	22 29 0	5°46'40	3♂16	13°16	1°27	19°49	20°49	14°14	8°4	21°24	1°14	27°46	26°28	29°6	18°24	T 29
W30	22 32 57	6°44'35	15°21	15°7	2°42	20°27	21°2	14°20	8°4	21°23	1°15	27°42	26°25	29°13	18°21	W30
T 31	22 36 53	7♂42'32	27♂15	16♂56	3♂56	21♂6	21♂15	14♂27	8♂3	21♂22	1♂15	27♂40	26♂21	29♂20	18♂18	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	18n 1	14s43	5s16	21n 3	0s52	21n17	0n32	20n46	1n 3	6n50	1n 4	2s27	2n21	23s29	0s21	20s59
W 2	17 46	18 54	5 12	21 4	0 38	21 5	0 35	20 37	1 3	6 46	1 3	2 29	2 21	23 29	0 21	20 59
T 3	17 31	22 17	4 56	21 2	0 24	20 52	0 37	20 28	1 3	6 41	1 3	2 31	2 21	23 29	0 21	20 59
F 4	17 15	24 43	4 26	20 59	0 11	20 38	0 39	20 20	1 4	6 37	1 3	2 33	2 21	23 29	0 21	21 0
S 5	16 59	26 5	3 45	20 53	0n 2	20 24	0 41	20 11	1 4	6 32	1 3	2 35	2 20	23 29	0 21	21 0
S 6	16 42	26 14	2 54	20 45	0 14	20 9	0 43	20 2	1 4	6 27	1 3	2 37	2 20	23 29	0 21	21 0
M 7	16 26	25 7	1 54	20 35	0 26	19 54	0 45	19 52	1 4	6 23	1 3	2 39	2 20	23 29	0 21	21 0
T 8	16 9	22 45	0 48	20 21	0 37	19 38	0 47	19 43	1 5	6 18	1 3	2 41	2 20	23 30	0 21	21 1
W 9	15 52	19 14	0n22	20 6	0 47	19 22	0 49	19 33	1 5	6 13	1 3	2 43	2 20	23 30	0 21	21 1
T 10	15 34	14 44	1 32	19 47	0 57	19 5	0 51	19 24	1 5	6 9	1 3	2 45	2 20	23 30	0 21	21 1
F 11	15 17	9 26	2 39	19 26	1 5	18 47	0 53	19 14	1 5	6 4	1 3	2 48	2 19	23 30	0 21	21 1
S 12	14 59	3 37	3 38	19 2	1 13	18 29	0 55	19 4	1 6	5 59	1 3	2 50	2 19	23 30	0 21	21 2
S 13	14 41	2n27	4 25	18 36	1 20	18 10	0 57	18 54	1 6	5 54	1 3	2 52	2 19	23 30	0 21	21 2
M14	14 23	8 29	4 58	18 7	1 26	17 51	0 58	18 44	1 6	5 49	1 3	2 54	2 19	23 30	0 21	21 2
T 15	14 4	14 8	5 13	17 37	1 31	17 32	1 0	18 34	1 6	5 45	1 3	2 57	2 19	23 30	0 21	21 2
W16	13 45	19 5	5 9	17 4	1 36	17 12	1 2	18 13	1 7	5 40	1 3	2 59	2 19	23 30	0 21	21 3
T 17	13 26	22 57	4 47	16 29	1 39	16 51	1 3	18 23	1 7	5 35	1 3	3 1	2 18	23 30	0 21	21 3
F 18	13 7	25 26	4 6	15 52	1 42	16 30	1 5	18 2	1 7	5 30	1 3	3 3	2 18	23 31	0 21	21 3
S 19	12 48	26 17	3 11	15 14	1 44	16 8	1 6	17 51	1 7	5 25	1 3	3 6	2 18	23 31	0 21	21 3
S 20	12 28	25 25	2 5	14 34	1 45	15 46	1 8	17 40	1 7	5 20	1 3	3 8	2 18	23 31	0 21	21 3
M21	12 8	22 57	0 52	13 53	1 46	15 24	1 9	17 29	1 8	5 15	1 3	3 11	2 18	23 31	0 21	21 4
T 22	11 48	19 9	0s24	13 11	1 45	15 1	1 11	17 18	1 8	5 10	1 3	3 13	2 18	23 31	0 21	21 4
W23	11 28	14 22	1 37	12 28	1 45	14 38	1 12	17 7	1 8	5 6	1 3	3 15	2 18	23 31	0 21	21 4
T 24	11 8	8 57	2 44	11 44	1 43	14 14	1 13	16 56	1 8	5 1	1 3	3 18	2 17	23 31	0 21	21 4
F 25	10 47	3 15	3 40	10 59	1 41	13 50	1 14	16 44	1 8	4 56	1 3	3 20	2 17	23 31	0 21	21 4
S 26	10 26	2s28	4 24	10 14	1 38	13 26	1 15	16 33	1 9	4 51	1 3	3 23	2 17	23 31	0 21	21 5
S 27	10 5	7 57	4 53	9 28	1 35	13 1	1 16	16 21	1 9	4 46	1 3	3 25	2 17	23 31	0 21	21 5
M28	9 44	13 0	5 8	8 42	1 32	12 36	1 17	16 9	1 9	4 41	1 3	3 28	2 17	23 31	0 21	21 5
T 29	9 23	17 27	5 9	7 55	1 28	12 10	1 18	15 57	1 9	4 36	1 3	3 30	2 17	23 31	0 21	21 5
W30	9 2	21 8	4 56	7 8	1 23	11 44	1 19	15 45	1 9	4 31	1 3	3 33	2 17	23 31	0 21	21 5
T 31	8n40	23s55	4s30	6n22	1n18	11n18	1n20	15n33	1n10	4n25	1n 3	3s35	2n17	23s31	0s21	21s 6

Julian Day Number = 2509465.5, Delta T = 127.74 sec

Ecliptic obliquity = 23°25'11, Nutation = 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 26°57'22, Lahiri = 26°04'23

ASTRODIENST EPHEMERIS for the year 2158

geocentric

SEPTEMBER 2158

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 40 50	8 ^h 40'31	9 ^h 46' 6	18 ^h 44	5 ^h 10	21 ^h 44	21 ^h 28	14 ^h 33	8 ^h R 2	21 ^h R21	1 ^h 16	27 ^h D39	26 ^h 18	29 ^h 26	18 ^h R15	F 1
S 2	22 44 47	9 ^h 38'31	21° 0	20°30	6°25	22°22	21°41	14°40	8 ^h 3 1	21 ^h 20	1°17	27 ^h 40	26°15	29°33	18 ^h 12	S 2
S 3	22 48 43	10°36'32	3 ^h 3 1	22°15	7°39	23° 0	21°53	14°46	8° 0	21°19	1°17	27°41	26°12	29°40	18° 9	S 3
M 4	22 52 40	11°34'34	15°16	23°59	8°53	23°38	22° 6	14°53	8° 0	21°19	1°18	27°43	26° 9	29°46	18° 6	M 4
T 5	22 56 36	12°32'38	27°46	25°42	10° 8	24°17	22°19	14°59	7°59	21°18	1°19	27°R43	26° 6	29°53	18° 3	T 5
W 6	23 0 33	13°30'43	10 ^h 37	27°24	11°22	24°55	22°32	15° 6	7°59	21°17	1°19	27°43	26° 2	29°59	18° 1	W 6
T 7	23 4 29	14°28'50	23°51	29° 4	12°37	25°33	22°45	15°12	7°58	21°16	1°20	27°40	25°59	0 ^h 7	17°58	T 7
F 8	23 8 26	15°26'58	7 ^h 26	0 ^h 43	13°51	26°11	22°58	15°19	7°58	21°15	1°20	27°35	25°56	0°13	17°55	F 8
S 9	23 12 22	16°25'08	21°23	2°21	15° 6	26°49	23°11	15°26	7°57	21°15	1°21	27°28	25°53	0°20	17°52	S 9
S 10	23 16 19	17°23'20	5 ^h 36	3°57	16°20	27°27	23°24	15°33	7°57	21°14	1°21	27°21	25°50	0°27	17°50	S 10
M11	23 20 16	18°21'34	20° 0	5°33	17°35	28° 5	23°37	15°39	7°57	21°13	1°22	27°13	25°46	0°33	17°47	M11
T 12	23 24 12	19°19'49	4 ^h 29	7° 7	18°49	28°43	23°50	15°46	7°56	21°12	1°22	27° 5	25°43	0°40	17°45	T 12
W13	23 28 9	20°18'07	18°58	8°40	20° 4	29°21	24° 3	15°53	7°56	21°12	1°23	27° 0	25°40	0°47	17°42	W13
T 14	23 32 5	21°16'26	3 ^h 20	10°12	21°18	29°59	24°15	16° 0	7°56	21°11	1°23	26°56	25°37	0°53	17°40	T 14
F 15	23 36 2	22°14'48	17°34	11°43	22°33	0 ^h 37	24°28	16° 7	7°56	21°11	1°23	26°D55	25°34	1° 0	17°37	F 15
S 16	23 39 58	23°13'12	1 ^h 36	13°13	23°47	1°15	24°41	16°14	7°56	21°10	1°24	26°55	25°31	1° 7	17°35	S 16
S 17	23 43 55	24°11'39	15°27	14°42	25° 2	1°53	24°54	16°21	7°D56	21° 9	1°24	26°56	25°27	1°13	17°32	S 17
M18	23 47 51	25°10'07	29° 6	16° 9	26°17	2°31	25° 7	16°28	7°56	21° 9	1°24	26°R56	25°24	1°20	17°30	M18
T 19	23 51 48	26° 8'37	12 ^h 24	17°35	27°31	3° 9	25°20	16°35	7°56	21° 8	1°25	26°55	25°21	1°27	17°28	T 19
W20	23 55 45	27° 7'10	25°51	19° 1	28°46	3°47	25°33	16°42	7°56	21° 8	1°25	26°52	25°18	1°34	17°26	W20
T 21	23 59 41	28° 5'44	8 ^h 57	20°25	0 ^h 1	4°25	25°46	16°49	7°56	21° 8	1°25	26°46	25°15	1°40	17°23	T 21
F 22	0 3 38	29° 4'20	21°51	21°47	1°15	5° 3	25°59	16°56	7°56	21° 7	1°25	26°37	25°12	1°47	17°21	F 22
S 23	0 7 34	0 ^h 25'9	4 ^h 33	23° 9	2°30	5°40	26°12	17° 3	7°57	21° 7	1°25	26°26	25° 8	1°54	17°19	S 23
S 24	0 11 31	1° 1'39	17° 3	24°29	3°45	6°18	26°25	17°10	7°57	21° 7	1°26	26°14	25° 5	2° 0	17°17	S 24
M25	0 15 27	2° 0'21	29°20	25°48	4°59	6°56	26°38	17°17	7°57	21° 6	1°26	26° 3	25° 2	2° 7	17°15	M25
T 26	0 19 24	2°59'05	11 ^h 27	27° 5	6°14	7°34	26°51	17°25	7°58	21° 6	1°26	25°52	24°59	2°14	17°13	T 26
W27	0 23 20	3°57'51	23°24	28°21	7°29	8°12	27° 4	17°32	7°58	21° 6	1°26	25°43	24°56	2°20	17°11	W27
T 28	0 27 17	4°56'38	5 ^h 16	29°35	8°44	8°49	27°17	17°39	7°59	21° 6	1°26	25°36	24°52	2°27	17°10	T 28
F 29	0 31 14	5°55'28	17° 5	0 ^h 48	9°59	9°27	27°30	17°46	8° 0	21° 6	1°26	25°32	24°49	2°34	17° 8	F 29
S 30	0 35 10	6 ^h 54'19	28 ^h 56	1 ^h 59	11 ^h 13	10 ^h 5	27 ^h 43	17 ^h 53	8 ^h 3 0	21 ^h 5 5	1 ^h 26	25°31	24°46	2 ^h 41	17 ^h 6	S 30

Day	☉	☽		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	8n19	25s38	3s53	5n35	1n13	10n52	1n21	15n21	1n10	4n20	1n 3	3s38	2n16	23s31	0s21	21s 6	0n38	16n47	6s38	20s37	20s52	24s13	8s39	7n 2			
S 2	7 57	26 12	3 6	4 48	1 8	10 25	1 22	15 9	1 10	4 15	1 3	3 41	2 16	23 31	0 21	21 6	0 38	16 46	6 38	20 37	20 53	24 14	8 40	7 2			
S 3	7 35	25 33	2 10	4 1	1 2	9 58	1 22	14 56	1 10	4 10	1 3	3 43	2 16	23 31	0 21	21 6	0 38	16 46	6 38	20 36	20 54	24 15	8 41	7 2			
M 4	7 13	23 39	1 7	3 14	0 56	9 31	1 23	14 44	1 10	4 5	1 3	3 46	2 16	23 31	0 21	21 6	0 38	16 46	6 39	20 36	20 54	24 16	8 42	7 1			
T 5	6 51	20 35	0n 0	2 28	0 50	9 3	1 23	14 32	1 10	4 0	1 3	3 48	2 16	23 32	0 21	21 6	0 38	16 46	6 39	20 36	20 55	24 17	8 43	7 1			
W 6	6 29	16 27	1 9	1 42	0 43	8 35	1 24	14 19	1 11	3 55	1 3	3 51	2 16	23 32	0 21	21 7	0 38	16 46	6 39	20 36	20 55	24 18	8 44	7 1			
T 7	6 6	11 25	2 16	0 56	0 36	8 7	1 24	14 6	1 11	3 50	1 3	3 54	2 16	23 32	0 21	21 7	0 38	16 46	6 39	20 37	20 56	24 19	8 45	7 1			
F 8	5 44	5 43	3 17	0 10	0 29	7 39	1 24	13 54	1 11	3 45	1 3	3 56	2 16	23 32	0 21	21 7	0 38	16 46	6 39	20 38	20 57	24 20	8 46	7 0			
S 9	5 21	0n23	4 8	0s35	0 22	7 10	1 25	13 41	1 11	3 40	1 3	3 59	2 16	23 32	0 21	21 7	0 38	16 46	6 39	20 39	20 57	24 21	8 47	7 0			
S 10	4 59	6 35	4 45	1 20	0 15	6 41	1 25	13 28	1 11	3 35	1 3	4 2	2 16	23 32	0 21	21 7	0 38	16 46	6 39	20 40	20 58	24 22	8 48	7 0			
M11	4 36	12 30	5 4	2 5	0 8	6 12	1 25	13 15	1 11	3 30	1 3	4 4	2 15	23 32	0 21	21 7	0 38	16 46	6 39	20 42	20 58	24 23	8 49	6 59			
T 12	4 13	17 46	5 4	2 49	0 0	5 43	1 25	13 2	1 11	3 24	1 3	4 7	2 15	23 32	0 21	21 7	0 38	16 45	6 39	20 43	20 59	24 24	8 50	6 59			
W13	3 50	22 0	4 44	3 33	0s 7	5 14	1 25	12 49	1 12	3 19	1 3	4 10	2 15	23 32	0 21	21 8	0 38	16 45	6 39	20 44	21 0	24 25	8 52	6 59			
T 14	3 27	24 51	4 7	4 16	0 15	4 45	1 25	12 35	1 12	3 14	1 3	4 12	2 15	23 32	0 21	21 8	0 38	16 45	6 40	20 45	21 0	24 26	8 53	6 58			
F 15	3 4	26 4	3 15	4 59	0 23	4 15	1 25	12 22	1 12	3 9	1 3	4 15	2 15	23 32	0 21	21 8	0 38	16 45	6 40	20 45	21 1	24 27	8 54	6 58			
S 16	2 41	25 36	2 11	5 41	0 31	3 45	1 24	12 9	1 12	3 4	1 3	4 18	2 15	23 32	0 21	21 8	0 38	16 45	6 40	20 45	21 1	24 28	8 55	6 58			
S 17	2 18	23 32	1 1	6 23	0 38	3 16	1 24	11 55	1 12	2 59	1 3	4 21	2 15	23 32	0 21	21 8	0 38	16 45	6 40	20 45	21 2	24 29	8 56	6 58			
M18	1 55	20 8	0s12	7 4	0 46	2 46	1 24	11 42	1 12	2 54	1 3	4 23	2 15	23 32	0 21	21 8	0 38	16 45	6 40	20 45	21 2	24 30	8 57	6 57			
T 19	1 32	15 42	1 23	7 44	0 54	2 16	1 23	11 28	1 12	2 49	1 3	4 26	2 15	23 32	0 21	21 8	0 38	16 45	6 40	20 45	21 3	24 30	8 58	6 57			
W20	1 9	10 34	2 28	8 24	1 2	1 46	1 23	11 15	1 13	2 43	1 3	4 29	2 15	23 32	0 21	21 8	0 38	16 45	6 40	20 46	21 4	24 31	8 59	6 56			
T 21	0 45	5 3	3 24	9 3	1 10	1 15	1 22	11 1	1 13	2 38	1 3	4 32	2 15	23 32	0 21	21 8	0 38	16 45	6 40	20 47	21 4	24 32	9 0	6 56			
F 22	0 22	0s35	4 9	9 41	1 18	0 45	1 22	10 47	1 13	2 33	1 3	4 34	2 15	23 32	0 21	21 9	0 38	16 44	6 40	20 49	21 5	24 33	9 1	6 56			
S 23	0s 1	6 6	4 41	10 19	1 26	0 15	1 21	10 33	1 13	2 28	1 3	4 37	2 15	23 31	0 21	21 9	0 38	16 44	6 40	20 51	21 5	24 34	9 2	6 55			
S 24	0 25	11 17	4 59	10 56	1 33	0s15	1 20	10 19	1 13	2 23	1 3	4 40	2 15	23 31	0 21	21 9	0 38	16 44	6 41	20 53	21 6	24 35	9 3	6 55			
M25	0 48	15 56	5 2	11 32	1 41	0 46	1 20	10 6	1 13	2 18	1 3	4 43	2 15	23 31	0 21	21 9	0 38	16 44	6 41	20 55	21 6	24 36	9 3	6 55			
T 26	1 11	19 52	4 51	12 7	1 49	1 16	1 19	9 52	1 13	2 13	1 3	4 45	2 15	23 31	0 21	21 9	0 38	16 44	6 41	20 57	21 7	24 36	9 4	6 54			
W27	1 34	22 56	4 28	12 41	1 56	1 46	1 18	9 38	1 13	2 8	1 3	4 48	2 14	23 31	0 21	21 9	0 38	16 44	6 41	20 59	21 8	24 37	9 5	6 54			
T 28	1 58	24 59	3 54	13 15	2 4	2 17	1 17	9 23	1 14	2 3	1 3	4 51	2 14	23 31	0 21	21 9	0 37	16 44	6 41	21 0	21 8	24 38	9 6	6 53			
F 29	2 21	25 56	3 9	13 47	2 11	2 17	1 16	9 9	1 14	1 58	1 3	4 54	2 14	23 31	0 21	21 9	0 37	16 44	6 41	21 1	21 9	24 39	9 7	6 53			
S 30	2s44	25s41	2s16	14s19	2s18	3s17	1n15	8n55	1n14	1n52	1n 3	4s57	2n14	23s31	0s21	21s 9	0n37	16n44	6s41	21s 1	21s 9	24s40	9s 8	6n53			

ASTRODIENST EPHEMERIS for the year 2158
geocentric

OCTOBER 2158

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	0 39 7	7♂53°12	10♂55	3♊9	12♂28	10♊43	27♊56	18♂1	8♂1	21°R 5	1°R26	25°D30	24♂43	2♂47	17°R 5	S 1
M 2	0 43 3	8°52°07	23° 7	4°16	13°43	11°20	28° 9	18° 8	8° 2	21♂5	1♂26	25°R31	24°40	2°54	17°≈3	M 2
T 3	0 47 0	9°51°03	5≈37	5°22	14°58	11°58	28°22	18°15	8° 2	21°D 5	1°26	25♂30	24°37	3° 1	17° 1	T 3
W 4	0 50 56	10°50°01	18°30	6°25	16°12	12°36	28°35	18°23	8° 3	21° 5	1°26	25°28	24°33	3° 7	17° 0	W 4
T 5	0 54 53	11°49°01	1♂49	7°25	17°27	13°13	28°47	18°30	8° 4	21° 5	1°26	25°24	24°30	3°14	16°59	T 5
F 6	0 58 49	12°48°02	15°36	8°23	18°42	13°51	29° 0	18°37	8° 5	21° 5	1°26	25°17	24°27	3°21	16°57	F 6
S 7	1 2 46	13°47°06	29°49	9°19	19°57	14°29	29°13	18°44	8° 6	21° 6	1°26	25° 7	24°24	3°27	16°56	S 7
S 8	1 6 43	14°46°11	14°♀24	10°11	21°12	15° 6	29°26	18°52	8° 7	21° 6	1°26	24°56	24°21	3°34	16°55	S 8
M 9	1 10 39	15°45°19	29°14	11° 0	22°27	15°44	29°38	18°59	8° 8	21° 6	1°26	24°45	24°17	3°41	16°54	M 9
T 10	1 14 36	16°44°28	14♂9	11°45	23°41	16°21	29°51	19° 6	8° 9	21° 6	1°25	24°34	24°14	3°47	16°53	T 10
W11	1 18 32	17°43°40	29° 2	12°27	24°56	16°59	0♂4	19°14	8°11	21° 6	1°25	24°26	24°11	3°54	16°51	W11
T 12	1 22 29	18°42°54	13♂44	13° 4	26°11	17°37	0°17	19°21	8°12	21° 7	1°25	24°20	24° 8	4° 1	16°51	T 12
F 13	1 26 25	19°42°11	28°10	13°36	27°26	18°14	0°29	19°28	8°13	21° 7	1°25	24°17	24° 5	4° 8	16°50	F 13
S 14	1 30 22	20°41°30	12♂16	14° 3	28°41	18°52	0°42	19°36	8°15	21° 7	1°25	24°16	24° 2	4°14	16°49	S 14
S 15	1 34 18	21°40°51	26° 4	14°24	29°56	19°29	0°54	19°43	8°16	21° 8	1°24	24°16	23°58	4°21	16°48	S 15
M16	1 38 15	22°40°14	9♂33	14°40	1♊11	20° 7	1° 7	19°51	8°17	21° 8	1°24	24°15	23°55	4°28	16°47	M16
T 17	1 42 12	23°39°40	22°45	14°48	2°25	20°44	1°19	19°58	8°19	21° 9	1°24	24°13	23°52	4°34	16°47	T 17
W18	1 46 8	24°39°08	5♊44	14°R50	3°40	21°22	1°32	20° 5	8°20	21° 9	1°23	24° 9	23°49	4°41	16°46	W18
T 19	1 50 5	25°38°38	18°30	14°44	4°55	21°59	1°44	20°13	8°22	21°10	1°23	24° 1	23°46	4°48	16°46	T 19
F 20	1 54 1	26°38°10	1♂6	14°30	6°10	22°37	1°57	20°20	8°24	21°10	1°22	23°51	23°43	4°54	16°45	F 20
S 21	1 57 58	27°37°45	13°31	14° 7	7°25	23°14	2° 9	20°27	8°25	21°11	1°22	23°38	23°39	5° 1	16°45	S 21
S 22	2 1 54	28°37°21	25°48	13°36	8°40	23°51	2°21	20°34	8°27	21°11	1°22	23°24	23°36	5° 8	16°44	S 22
M23	2 5 51	29°37°00	7♊55	12°56	9°55	24°29	2°34	20°42	8°29	21°12	1°21	23° 9	23°33	5°14	16°44	M23
T 24	2 9 47	0♊36°41	19°55	12° 7	11°10	25° 6	2°46	20°49	8°31	21°13	1°21	22°56	23°30	5°21	16°44	T 24
W25	2 13 44	1°36°23	1♂48	11°11	12°25	25°43	2°58	20°56	8°33	21°13	1°20	22°45	23°27	5°28	16°44	W25
T 26	2 17 40	2°36°08	13°37	10° 7	13°40	26°21	3°10	21° 4	8°34	21°14	1°20	22°36	23°23	5°34	16°D44	T 26
F 27	2 21 37	3°35°54	25°24	8°57	14°55	26°58	3°22	21°11	8°36	21°15	1°19	22°31	23°20	5°41	16°44	F 27
S 28	2 25 34	4°35°42	7♂14	7°44	16° 9	27°35	3°34	21°18	8°38	21°16	1°19	22°28	23°17	5°48	16°44	S 28
S 29	2 29 30	5°35°31	19°11	6°28	17°24	28°13	3°46	21°25	8°40	21°17	1°18	22°D27	23°14	5°55	16°44	S 29
M30	2 33 27	6°35°23	1≈19	5°12	18°39	28°50	3°58	21°32	8°43	21°18	1°17	22°R27	23°11	6° 1	16°44	M30
T 31	2 37 23	7♊35°16	13≈45	3♊58	19♊54	29♊27	4♂10	21♂40	8♂45	21♂18	1♂17	22♂27	23♂8	6♂8	16≈45	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	3 s 8	24s15	1s17	14s49	2s25	3s48	1n14	8n41	1n14	1n47	1n 3	4s59	2n14	23s31
M 2	3 31	21 39	0 13	15 18	2 31	4 18	1 12	8 27	1 14	1 42	1 3	5 2	2 14	23 31
T 3	3 54	17 59	0n53	15 46	2 38	4 48	1 11	8 13	1 14	1 37	1 3	5 5	2 14	23 31
W 4	4 17	13 23	1 59	16 13	2 44	5 18	1 10	7 58	1 14	1 32	1 3	5 8	2 14	23 31
T 5	4 40	8 1	3 0	16 39	2 50	5 47	1 9	7 44	1 14	1 27	1 3	5 10	2 14	23 31
F 6	5 3	2 6	3 52	17 3	2 55	6 17	1 7	7 29	1 14	1 22	1 4	5 13	2 14	23 31
S 7	5 26	4n 5	4 32	17 26	3 0	6 47	1 6	7 15	1 14	1 17	1 4	5 16	2 14	23 31
S 8	5 49	10 13	4 55	17 47	3 5	7 16	1 4	7 1	1 15	1 12	1 4	5 19	2 14	23 31
M 9	6 12	15 51	5 0	18 7	3 9	7 46	1 3	6 46	1 15	1 7	1 4	5 21	2 14	23 31
T 10	6 34	20 35	4 43	18 25	3 13	8 15	1 1	6 32	1 15	1 2	1 4	5 24	2 14	23 31
W11	6 57	23 58	4 8	18 40	3 16	8 44	0 59	6 17	1 15	0 57	1 4	5 27	2 14	23 30
T 12	7 20	25 41	3 17	18 54	3 19	9 12	0 57	6 2	1 15	0 52	1 4	5 30	2 14	23 30
F 13	7 42	25 38	2 13	19 6	3 21	9 41	0 56	5 48	1 15	0 47	1 4	5 33	2 14	23 30
S 14	8 4	23 54	1 3	19 15	3 22	10 9	0 54	5 33	1 15	0 42	1 4	5 35	2 14	23 30
S 15	8 27	20 46	0s10	19 22	3 22	10 38	0 52	5 19	1 15	0 37	1 4	5 38	2 14	23 30
M16	8 49	16 34	1 20	19 25	3 21	11 5	0 50	5 4	1 15	0 32	1 4	5 41	2 14	23 30
T 17	9 11	11 39	2 24	19 26	3 19	11 33	0 48	4 49	1 15	0 28	1 4	5 44	2 14	23 30
W18	9 33	6 18	3 20	19 24	3 16	12 0	0 46	4 35	1 15	0 23	1 4	5 46	2 14	23 30
T 19	9 54	0 47	4 5	19 17	3 11	12 27	0 44	4 20	1 15	0 18	1 5	5 49	2 14	23 30
F 20	10 16	4s40	4 37	19 8	3 5	12 54	0 42	4 5	1 15	0 13	1 5	5 52	2 14	23 30
S 21	10 37	9 52	4 55	18 54	2 58	13 21	0 40	3 50	1 15	0 8	1 5	5 54	2 14	23 29
S 22	10 59	14 36	4 59	18 35	2 49	13 47	0 38	3 36	1 15	0 3	1 5	5 57	2 15	23 29
M23	11 20	18 42	4 50	18 13	2 38	14 13	0 36	3 21	1 16	0s 1	1 5	6 0	2 15	23 29
T 24	11 41	22 0	4 28	17 46	2 25	14 38	0 33	3 6	1 16	0 6	1 5	6 2	2 15	23 29
W25	12 1	24 19	3 54	17 14	2 11	15 3	0 31	2 51	1 16	0 11	1 5	6 5	2 15	23 29
T 26	12 22	25 34	3 10	16 39	1 54	15 28	0 29	2 37	1 16	0 16	1 5	6 8	2 15	23 29
F 27	12 42	25 38	2 18	16 0	1 37	15 52	0 27	2 22	1 16	0 20	1 5	6 10	2 15	23 29
S 28	13 3	24 33	1 20	15 18	1 18	16 16	0 24	2 7	1 16	0 25	1 5	6 13	2 15	23 29
S 29	13 23	22 20	0 17	14 34	0 58	16 40	0 22	1 52	1 16	0 30	1 6	6 16	2 15	23 28
M30	13 42	19 5	0n47	13 50	0 37	17 3	0 20	1 37	1 16	0 34	1 6	6 18	2 15	23 28
T 31	14 s 2	14s55	1n51	13 s 5	0s17	17s25	0n17	1n23	1n16	0s39	1n 6	6s21	2n15	23s28

Julian Day Number = 2509526.5, Delta T = 127.86 sec
Ecliptic obliquity = 23°25'11, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°57'31, Lahiri = 26°04'31

ASTRODIENST EPHEMERIS for the year 2158

geocentric

NOVEMBER 2158

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 41 20	8♍35°10	26♋33	2°R48	21♍ 9	0♌ 4	4♌22	21♌47	8♌47	21♌19	1°R16	22°R26	23♌ 4	6♌15	16♋45	W 1
T 2	2 45 16	9°35'07	9♋49	1♍46	22°24	0°42	4°33	21°54	8°49	21°20	1♌15	22♌22	23° 1	6°21	16°46	T 2
F 3	2 49 13	10°35'04	23°34	0°52	23°39	1°19	4°45	22° 1	8°51	21°21	1°15	22°16	22°58	6°28	16°46	F 3
S 4	2 53 9	11°35'04	7♏49	0° 8	24°54	1°56	4°57	22° 8	8°54	21°22	1°14	22° 8	22°55	6°35	16°47	S 4
S 5	2 57 6	12°35'05	22°31	29♌35	26° 9	2°33	5° 8	22°15	8°56	21°23	1°13	21°58	22°52	6°41	16°47	S 5
M 6	3 1 3	13°35'08	7♋34	29°13	27°24	3°10	5°20	22°22	8°58	21°25	1°13	21°47	22°49	6°48	16°48	M 6
T 7	3 4 59	14°35'13	22°47	29°D 4	28°39	3°47	5°31	22°29	9° 1	21°26	1°12	21°37	22°45	6°55	16°49	T 7
W 8	3 8 56	15°35'20	8♏ 0	29° 5	29°54	4°24	5°43	22°36	9° 3	21°27	1°11	21°29	22°42	7° 1	16°50	W 8
T 9	3 12 52	16°35'28	23° 3	29°17	1♌ 9	5° 2	5°54	22°43	9° 6	21°28	1°10	21°24	22°39	7° 8	16°51	T 9
F 10	3 16 49	17°35'39	7♌47	29°40	2°23	5°39	6° 5	22°50	9° 8	21°29	1° 9	21°21	22°36	7°15	16°51	F 10
S 11	3 20 45	18°35'52	22° 8	0♍12	3°38	6°16	6°16	22°57	9°11	21°30	1° 9	21°D20	22°33	7°21	16°53	S 11
S 12	3 24 42	19°36'06	6♏ 4	0°53	4°53	6°53	6°27	23° 4	9°13	21°32	1° 8	21°21	22°29	7°28	16°54	S 12
M13	3 28 39	20°36'23	19°36	1°41	6° 8	7°30	6°38	23°11	9°16	21°33	1° 7	21°R21	22°26	7°35	16°55	M13
T 14	3 32 35	21°36'42	2♏45	2°36	7°23	8° 7	6°49	23°17	9°19	21°34	1° 6	21°21	22°23	7°42	16°56	T 14
W15	3 36 32	22°37'02	15°35	3°37	8°38	8°44	7° 0	23°24	9°21	21°36	1° 5	21°18	22°20	7°48	16°57	W15
T 16	3 40 28	23°37'25	28°10	4°44	9°53	9°21	7°11	23°31	9°24	21°37	1° 4	21°13	22°17	7°55	16°59	T 16
F 17	3 44 25	24°37'49	10♌33	5°54	11° 8	9°58	7°22	23°37	9°27	21°39	1° 3	21° 5	22°14	8° 2	17° 0	F 17
S 18	3 48 21	25°38'15	22°45	7° 9	12°23	10°35	7°32	23°44	9°30	21°40	1° 3	20°56	22°10	8° 8	17° 2	S 18
S 19	3 52 18	26°38'43	4♍49	8°27	13°38	11°11	7°43	23°51	9°33	21°41	1° 2	20°45	22° 7	8°15	17° 3	S 19
M20	3 56 14	27°39'13	16°47	9°47	14°53	11°48	7°53	23°57	9°35	21°43	1° 1	20°34	22° 4	8°22	17° 5	M20
T 21	4 0 11	28°39'45	28°41	11°10	16° 8	12°25	8° 4	24° 4	9°38	21°44	1° 0	20°24	22° 1	8°28	17° 7	T 21
W22	4 4 7	29°40'17	10♌31	12°35	17°23	13° 2	8°14	24°10	9°41	21°46	0°59	20°15	21°58	8°35	17° 8	W22
T 23	4 8 4	0♌40'52	22°19	14° 2	18°38	13°39	8°24	24°17	9°44	21°48	0°58	20° 9	21°55	8°42	17°10	T 23
F 24	4 12 1	1°41'28	4♌ 8	15°30	19°52	14°16	8°34	24°23	9°47	21°49	0°57	20° 5	21°51	8°48	17°12	F 24
S 25	4 15 57	2°42'05	16° 0	16°59	21° 7	14°52	8°44	24°29	9°50	21°51	0°56	20°D 4	21°48	8°55	17°14	S 25
S 26	4 19 54	3°42'43	27°59	18°29	22°22	15°29	8°54	24°35	9°53	21°52	0°55	20° 4	21°45	9° 2	17°16	S 26
M27	4 23 50	4°43'23	10♋ 8	20° 0	23°37	16° 6	9° 4	24°42	9°56	21°54	0°54	20° 5	21°42	9° 8	17°18	M27
T 28	4 27 47	5°44'03	22°32	21°31	24°52	16°43	9°13	24°48	10° 0	21°56	0°53	20° 6	21°39	9°15	17°20	T 28
W29	4 31 43	6°44'45	5♋16	23° 3	26° 7	17°19	9°23	24°54	10° 3	21°58	0°51	20°R 7	21°35	9°22	17°22	W29
T 30	4 35 40	7♌45'28	18♋25	24♍36	27♌22	17♌56	9♌32	25♌ 0	10♌ 6	21♌59	0♌50	20♌ 7	21♌32	9♌28	17♌25	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	14s21	9s59	2n51	12s23	0n 4	17s48	0n15	1n 8	1n16	0s43	1n 6	6s23	2n15	23s28	0s20	21s 8	0n36	16n41	6s44	21s33	21s27	25s 2	9s28	6n38	
T 2	14 40	4 26	3 44	11 43	0 24	18 9	0 12	0 53	1 16	0 48	1 6	6 26	2 15	23 28	0 20	21 8	0 36	16 41	6 44	21 34	21 27	25 3	9 29	6 37	
F 3	14 59	1n31	4 26	11 6	0 42	18 31	0 10	0 38	1 16	0 52	1 6	6 29	2 15	23 28	0 20	21 8	0 36	16 41	6 44	21 35	21 28	25 3	9 29	6 37	
S 4	15 18	7 35	4 53	10 35	1 0	18 51	0 8	0 24	1 16	0 57	1 6	6 31	2 15	23 27	0 20	21 8	0 36	16 40	6 44	21 36	21 29	25 4	9 29	6 36	
S 5	15 36	13 26	5 2	10 9	1 15	19 11	0 5	0 9	1 16	1 1	1 6	6 34	2 15	23 27	0 20	21 7	0 36	16 40	6 44	21 38	21 29	25 4	9 30	6 36	
M 6	15 54	18 36	4 51	9 48	1 29	19 31	0 3	0s 6	1 16	1 6	1 7	6 36	2 15	23 27	0 20	21 7	0 36	16 40	6 44	21 40	21 30	25 5	9 30	6 35	
T 7	16 12	22 38	4 19	9 33	1 41	19 50	0 0	0 21	1 16	1 10	1 7	6 39	2 16	23 27	0 20	21 7	0 36	16 40	6 45	21 41	21 30	25 5	9 30	6 35	
W 8	16 30	25 4	3 29	9 24	1 51	20 9	0s 2	0 35	1 16	1 15	1 7	6 41	2 16	23 27	0 20	21 7	0 36	16 40	6 45	21 42	21 31	25 6	9 30	6 34	
T 9	16 47	25 39	2 25	9 21	2 0	20 27	0 5	0 50	1 16	1 19	1 7	6 44	2 16	23 27	0 20	21 7	0 36	16 40	6 45	21 43	21 31	25 6	9 30	6 34	
F 10	17 4	24 23	1 12	9 22	2 6	20 45	0 7	1 5	1 16	1 23	1 7	6 46	2 16	23 26	0 20	21 7	0 36	16 40	6 45	21 44	21 32	25 7	9 31	6 33	
S 11	17 21	21 32	0s 4	9 29	2 11	21 1	0 10	1 19	1 16	1 28	1 7	6 49	2 16	23 26	0 20	21 6	0 36	16 40	6 45	21 44	21 32	25 7	9 31	6 33	
S 12	17 37	17 29	1 18	9 40	2 15	21 18	0 12	1 34	1 16	1 32	1 7	6 51	2 16	23 26	0 20	21 6	0 36	16 40	6 45	21 44	21 33	25 8	9 31	6 32	
M13	17 53	12 38	2 25	9 54	2 17	21 34	0 15	1 49	1 16	1 36	1 7	6 53	2 16	23 26	0 20	21 6	0 36	16 40	6 45	21 44	21 33	25 8	9 31	6 32	
T 14	18 9	7 20	3 22	10 12	2 18	21 49	0 17	2 3	1 16	1 40	1 8	6 56	2 16	23 26	0 20	21 6	0 36	16 40	6 45	21 44	21 34	25 9	9 31	6 32	
W15	18 25	1 52	4 8	10 33	2 18	22 3	0 20	2 18	1 16	1 44	1 8	6 58	2 16	23 26	0 20	21 6	0 36	16 40	6 45	21 44	21 34	25 9	9 31	6 31	
T 16	18 40	3s34	4 41	10 56	2 17	22 17	0 22	2 32	1 16	1 48	1 8	7 1	2 16	23 25	0 20	21 6	0 36	16 40	6 45	21 45	21 35	25 10	9 31	6 31	
F 17	18 55	8 46	5 0	11 22	2 15	22 30	0 25	2 47	1 16	1 53	1 8	7 3	2 17	23 25	0 20	21 5	0 36	16 40	6 45	21 46	21 35	25 10	9 31	6 30	
S 18	19 9	13 33	5 5	11 49	2 12	22 43	0 27	3 1	1 16	1 57	1 8	7 5	2 17	23 25	0 20	21 5	0 36	16 40	6 45	21 48	21 36	25 11	9 31	6 30	
S 19	19 23	17 46	4 56	12 17	2 8	22 55	0 30	3 16	1 16	2 1	1 8	7 7	2 17	23 25	0 20	21 5	0 36	16 40	6 45	21 49	21 36	25 11	9 31	6 29	
M20	19 37	21 13	4 34	12 46	2 4	23 6	0 32	3 30	1 16	2 5	1 9	7 10	2 17	23 24	0 20	21 5	0 36	16 40	6 45	21 51	21 37	25 12	9 31	6 29	
T 21	19 51	23 45	4 0	13 16	2 0	23 16	0 35	3 44	1 16	2 8	1 9	7 12	2 17	23 24	0 20	21 5	0 36	16 40	6 45	21 52	21 37	25 12	9 31	6 28	
W22	20 4	25 15	3 16	13 47	1 55	23 26	0 37	3 59	1 16	2 12	1 9	7 14	2 17	23 24	0 20	21 4	0 36	16 40	6 45	21 54	21 38	25 13	9 31	6 28	
T 23	20 17	25 35	2 24	14 18	1 49	23 35	0 40	4 13	1 16	2 16	1 9	7 16	2 17	23 24	0 20	21 4	0 36	16 40	6 45	21 55	21 38	25 13	9 31	6 27	
F 24	20 29	24 46	1 25	14 49	1 43	23 44	0 42	4 27	1 16	2 20	1 9	7 19	2 18	23 24	0 20	21 4	0 36	16 40	6 45	21 55	21 39	25 14	9 31	6 27	
S 25	20 41	22 49	0 22	15 21	1 37	23 52	0 44	4 42	1 16	2 24	1 9	7 21	2 18	23 23	0 20	21 4	0 36	16 40	6 45	21 55	21 39	25 14	9 31	6 26	
S 26	20 53	19 51	0n43	15 52	1 31	23 59	0 47	4 56	1 16	2 27	1 10	7 23	2 18	23 23	0 20	21 3	0 36	16 40	6 45	21 55	21 40	25 14	9 31	6 26	
M27	21 4	15 59	1 47	16 22	1 24	24 5	0 49	5 10	1 15	2 31	1 10	7 25	2 18	23 23	0 20	21 3	0 36	16 40	6 45	21 55	21 40	25 15	9 30	6 26	
T 28	21 15	11 21	2 47	16 53	1 17	24 10	0 51	5 24	1 15	2 35	1 10	7 27	2 18	23 23	0 20	21 3	0 36	16 40	6 45	21 55	21 41	25 15	9 30	6 25	
W29	21 25	6 9	3 41	17 23	1 11	24 15	0 54	5 38	1 15	2 38	1 10	7 29	2 18	23 22	0 20	21 3	0 36	16 40	6 45	21 55	21 41	25 15	9 30	6 25	
T 30	21s35	0s31	4n24	17s52	1n 4	24s19	0s56	5s52	1n15	2s42	1n10	7s31	2n18	23s22	0s20	21s 2	0n36	16n40	6s45	21s55	21s42	25s16	9s30	6n24	

ASTRODIENST EPHEMERIS for the year 2158
geocentric

DECEMBER 2158

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	4 39 37	8♌46°12	2♊0	26♍8	28♊37	18♎32	9♎42	25♎6	10♏9	22♏1	0°R49	20°R 4	21♏29	9♌35	17♎27	F 1
S 2	4 43 33	9°46'56	16° 5	27°41	29°52	19° 9	9°51	25°12	10°12	22° 3	0°548	20♏0	21°26	9°42	17°29	S 2
S 3	4 47 30	10°47'42	0♊37	29°14	1♏7	19°46	10° 0	25°18	10°15	22° 5	0°47	19°55	21°23	9°48	17°32	S 3
M 4	4 51 26	11°48'29	15°34	0♌47	2°21	20°22	10° 9	25°24	10°19	22° 6	0°46	19°49	21°20	9°55	17°34	M 4
T 5	4 55 23	12°49'16	0♐46	2°21	3°36	20°59	10°18	25°29	10°22	22° 8	0°45	19°43	21°16	10° 2	17°37	T 5
W 6	4 59 19	13°50'05	16° 5	3°54	4°51	21°35	10°27	25°35	10°25	22°10	0°44	19°39	21°13	10° 9	17°39	W 6
T 7	5 3 16	14°50'56	1♌18	5°28	6° 6	22°12	10°36	25°41	10°29	22°12	0°43	19°36	21°10	10°15	17°42	T 7
F 8	5 7 12	15°51'47	16°17	7° 1	7°21	22°48	10°44	25°46	10°32	22°14	0°41	19°D34	21° 7	10°22	17°45	F 8
S 9	5 11 9	16°52'39	0♌53	8°35	8°36	23°24	10°53	25°52	10°35	22°16	0°40	19°35	21° 4	10°29	17°47	S 9
S 10	5 15 6	17°53'33	15° 4	10° 8	9°51	24° 1	11° 1	25°57	10°39	22°18	0°39	19°36	21° 1	10°35	17°50	S 10
M 11	5 19 2	18°54'28	28°46	11°42	11° 5	24°37	11° 9	26° 3	10°42	22°20	0°38	19°38	20°57	10°42	17°53	M 11
T 12	5 22 59	19°55'24	12♐3	13°15	12°20	25°13	11°17	26° 8	10°46	22°22	0°37	19°39	20°54	10°49	17°56	T 12
W 13	5 26 55	20°56'21	24°56	14°49	13°35	25°50	11°25	26°13	10°49	22°24	0°36	19°R39	20°51	10°55	17°59	W 13
T 14	5 30 52	21°57'20	7♎29	16°23	14°50	26°26	11°33	26°18	10°52	22°26	0°35	19°38	20°48	11° 2	18° 2	T 14
F 15	5 34 48	22°58'19	19°46	17°57	16° 5	27° 2	11°41	26°24	10°56	22°28	0°33	19°36	20°45	11° 9	18° 5	F 15
S 16	5 38 45	23°59'20	1♍51	19°31	17°19	27°38	11°48	26°29	10°59	22°30	0°32	19°32	20°41	11°15	18° 8	S 16
S 17	5 42 41	25° 0'22	13°48	21° 5	18°34	28°15	11°56	26°34	11° 3	22°32	0°31	19°28	20°38	11°22	18°11	S 17
M 18	5 46 38	26° 1'24	25°40	22°39	19°49	28°51	12° 3	26°38	11° 6	22°34	0°30	19°23	20°35	11°29	18°14	M 18
T 19	5 50 35	27° 2'28	7♌30	24°13	21° 4	29°27	12°10	26°43	11°10	22°36	0°29	19°19	20°32	11°35	18°18	T 19
W 20	5 54 31	28° 3'32	19°19	25°47	22°18	0♍3	12°17	26°48	11°13	22°38	0°27	19°16	20°29	11°42	18°21	W 20
T 21	5 58 28	29° 4'37	1♏10	27°22	23°33	0°39	12°24	26°53	11°17	22°40	0°26	19°14	20°26	11°49	18°24	T 21
F 22	6 2 24	0♏5'43	13° 4	28°56	24°48	1°15	12°31	26°57	11°20	22°42	0°25	19°13	20°22	11°55	18°28	F 22
S 23	6 6 21	1° 6'49	25° 5	0♏31	26° 3	1°51	12°37	27° 2	11°24	22°45	0°24	19°D13	20°19	12° 2	18°31	S 23
S 24	6 10 17	2° 7'55	7♎12	2° 6	27°17	2°27	12°44	27° 6	11°28	22°47	0°23	19°14	20°16	12° 9	18°34	S 24
M 25	6 14 14	3° 9'02	19°31	3°41	28°32	3° 3	12°50	27°10	11°31	22°49	0°22	19°15	20°13	12°15	18°38	M 25
T 26	6 18 10	4°10'09	2♊2	5°16	29°47	3°39	12°56	27°15	11°35	22°51	0°20	19°16	20°10	12°22	18°42	T 26
W 27	6 22 7	5°11'17	14°49	6°52	1♎1	4°14	13° 2	27°19	11°38	22°53	0°19	19°18	20° 7	12°29	18°45	W 27
T 28	6 26 4	6°12'24	27°55	8°28	2°16	4°50	13° 8	27°23	11°42	22°55	0°18	19°18	20° 3	12°35	18°49	T 28
F 29	6 30 0	7°13'31	11♊23	10° 4	3°31	5°26	13°14	27°27	11°45	22°58	0°17	19°R18	20° 0	12°42	18°52	F 29
S 30	6 33 57	8°14'39	25°15	11°40	4°45	6° 2	13°19	27°31	11°49	23° 0	0°16	19°18	19°57	12°49	18°56	S 30
S 31	6 37 53	9♏15'46	9♏30	13♏16	6♎0	6♍37	13♎24	27♎35	11♏53	23♏2	0°14	19♏17	19♏54	12♌55	19♎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	21s45	5n19	4n55	18s21	0n57	24s23	0s58	6s 6	1n15	2s45	1n10	7s33	2n19	23s22	0s20	21s 2	0n36	16n40	6s45	21s55	21s42	25s16	9s29	6n24
S 2	21 54	11 5	5 10	18 49	0 50	24 25	1 0	6 20	1 15	2 49	1 11	7 35	2 19	23 22	0 20	21 2	0 36	16 40	6 45	21 56	21 43	25 17	9 29	6 23
S 3	22 3	16 26	5 5	19 17	0 42	24 27	1 2	6 34	1 15	2 52	1 11	7 37	2 19	23 21	0 20	21 2	0 36	16 40	6 45	21 57	21 43	25 17	9 29	6 23
M 4	22 11	20 57	4 40	19 43	0 35	24 28	1 4	6 48	1 15	2 56	1 11	7 39	2 19	23 21	0 20	21 1	0 36	16 40	6 45	21 57	21 44	25 17	9 28	6 23
T 5	22 19	24 7	3 55	20 9	0 28	24 29	1 6	7 1	1 15	2 59	1 11	7 41	2 19	23 21	0 20	21 1	0 36	16 40	6 46	21 58	21 44	25 18	9 28	6 22
W 6	22 27	25 33	2 53	20 34	0 21	24 28	1 8	7 15	1 15	3 2	1 11	7 43	2 19	23 21	0 20	21 1	0 35	16 40	6 45	21 59	21 45	25 18	9 28	6 22
T 7	22 34	25 3	1 38	20 58	0 14	24 27	1 10	7 29	1 15	3 5	1 12	7 45	2 20	23 20	0 20	21 1	0 35	16 40	6 45	21 59	21 45	25 18	9 27	6 21
F 8	22 40	22 44	0 18	21 21	0 7	24 25	1 12	7 42	1 15	3 9	1 12	7 47	2 20	23 20	0 20	21 0	0 35	16 40	6 45	22 0	21 46	25 19	9 27	6 21
S 9	22 46	18 56	1s 2	21 43	0 0	24 22	1 14	7 56	1 15	3 12	1 12	7 49	2 20	23 20	0 20	21 0	0 35	16 40	6 45	22 0	21 46	25 19	9 27	6 21
S 10	22 52	14 9	2 15	22 4	0s 7	24 19	1 16	8 9	1 14	3 15	1 12	7 50	2 20	23 20	0 20	21 0	0 35	16 40	6 45	21 59	21 47	25 19	9 26	6 20
M 11	22 57	8 47	3 18	22 24	0 14	24 15	1 18	8 23	1 14	3 18	1 12	7 52	2 20	23 19	0 20	20 59	0 35	16 40	6 45	21 59	21 47	25 20	9 26	6 20
T 12	23 2	3 12	4 9	22 43	0 20	24 10	1 20	8 36	1 14	3 21	1 13	7 54	2 21	23 19	0 20	20 59	0 35	16 40	6 45	21 59	21 48	25 20	9 25	6 19
W 13	23 7	2s21	4 45	23 0	0 27	24 4	1 21	8 49	1 14	3 24	1 13	7 56	2 21	23 19	0 20	20 59	0 35	16 40	6 45	21 59	21 48	25 20	9 25	6 19
T 14	23 11	7 40	5 7	23 17	0 34	23 58	1 23	9 2	1 14	3 27	1 13	7 57	2 21	23 19	0 20	20 58	0 35	16 40	6 45	21 59	21 49	25 21	9 24	6 19
F 15	23 14	12 34	5 14	23 32	0 40	23 51	1 24	9 16	1 14	3 29	1 13	7 59	2 21	23 18	0 20	20 58	0 35	16 40	6 45	21 59	21 49	25 21	9 24	6 18
S 16	23 17	16 54	5 7	23 46	0 46	23 43	1 26	9 29	1 14	3 32	1 14	8 1	2 21	23 18	0 20	20 58	0 35	16 40	6 45	22 0	21 50	25 21	9 23	6 18
S 17	23 20	20 31	4 46	23 59	0 52	23 35	1 27	9 42	1 14	3 35	1 14	8 2	2 22	23 18	0 20	20 57	0 35	16 40	6 45	22 1	21 50	25 21	9 22	6 17
M 18	23 22	23 16	4 14	24 11	0 58	23 25	1 29	9 55	1 13	3 37	1 14	8 4	2 22	23 17	0 20	20 57	0 35	16 40	6 45	22 1	21 51	25 22	9 22	6 17
T 19	23 23	25 0	3 30	24 21	1 4	23 15	1 30	10 7	1 13	3 40	1 14	8 5	2 22	23 17	0 20	20 57	0 35	16 40	6 45	22 2	21 51	25 22	9 21	6 17
W 20	23 24	25 36	2 38	24 31	1 10	23 5	1 32	10 20	1 13	3 43	1 14	8 7	2 22	23 17	0 20	20 57	0 35	16 40	6 45	22 2	21 52	25 22	9 20	6 16
T 21	23 25	25 3	1 38	24 39	1 15	22 53	1 33	10 33	1 13	3 45	1 15	8 8	2 22	23 17	0 20	20 56	0 35	16 40	6 45	22 2	21 52	25 22	9 20	6 16
F 22	23 25	23 20	0 34	24 45	1 20	22 41	1 34	10 46	1 13	3 47	1 15	8 10	2 23	23 16	0 20	20 56	0 35	16 40	6 45	22 3	21 53	25 23	9 19	6 16
S 23	23 25	20 34	0n32	24 50	1 25	22 29	1 35	10 58	1 13	3 50	1 15	8 11	2 23	23 16	0 20	20 56	0 35	16 40	6 45	22 3	21 53	25 23	9 18	6 15
S 24	23 24	16 52	1 38	24 54	1 30	22 15	1 36	11 11	1 13	3 52	1 15	8 12	2 23	23 16	0 20	20 55	0 35	16 40	6 45	22 3	21 53	25 23	9 18	6 15
M 25	23 23	12 25	2 40	24 57	1 35	22 1	1 37	11 23	1 12	3 54	1 16	8 14	2 23	23 15	0 20	20 55	0 35	16 40	6 45	22 2	21 54	25 23	9 17	6 15
T 26	23 21	7 23	3 36	24 58	1 39	21 47	1 38	11 35	1 12	3 56	1 16	8 15	2 24	23 15	0 20	20 55	0 35	16 40	6 45	22 2	21 54	25 23	9 16	6 14
W 27	23 19	1 57	4 22	24 57	1 43	21 31	1 39	11 47	1 12	3 59	1 16	8 16	2 24	23 15	0 20	20 54	0 35	16 40	6 45	22 2	21 55	25 24	9 15	6 14
T 28	23 16	3n42	4 55	24 56	1 47	21 15	1 40	12 0	1 12	4 1	1 16	8 18	2 24	23 14	0 20	20 54	0 35	16 40	6 45	22 2	21 55	25 24	9 15	6 14
F 29	23 13	9 19	5 14	24 53	1 51	20 59	1 40	12 12	1 12	4 3	1 17	8 19	2 24	23 14	0 20	20 53	0 35	16 40	6 45	22 2	21 56	25 24	9 14	6 13
S 30	23 10	14 39	5 15	24 48	1 54	20 42	1 41	12 24	1 11	4 4	1 17	8 20	2 24	23 14	0 20	20 53	0 35	16 41	6 45	22 2	21 56	25 24	9 13	6 13
S 31	23s 6	19n21	4n58	24s42	1s57	20s24	1s42	12s35	1n11	4s 6	1n17	8s21	2n25	23s14	0s20	20s53	0n35	16n41	6s45	22s 2	21s57	25s24	9s12	6n13

Julian Day Number = 2509587.5, Delta T = 127.99 sec
Ecliptic obliquity = 23°25'10, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°57'39, Lahiri = 26°04'40