



Astrodienst Ephemeris Tables for the year 1886

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 1886

geocentric

JANUARY 1886

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 42 16	10 ³³ 10	22 ¹¹ 10	19 ³⁰ 30	25 ²⁹ 29	21 ⁴⁹ 49	5 ²⁵ 25	4 ²⁸ 28	7 ⁴⁰ 40	23 ⁴ 4	1 ²⁸ 28	19 ⁸ 8	19 ⁵⁵ 55	4 ⁵³ 53	12 ¹¹ 11	F 1
S 2	6 46 13	11 ³⁴ 20	4 ³⁸ 38	19 ⁵⁵ 55	26 ¹⁶ 16	22 ⁴ 4	5 ²⁸ 28	4 ²³ 23	7 ⁴⁰ 40	23 ³ 3	1 ²⁷ 27	18 ⁵⁹ 59	19 ⁵¹ 51	5 ⁰ 0	12 ¹¹ 8	S 2
S 3	6 50 10	12 ³⁵ 31	16 ⁵⁵ 55	20 ²⁶ 26	27 ¹ 1	22 ¹⁹ 19	5 ³² 32	4 ¹⁸ 18	7 ⁴¹ 41	23 ² 2	1 ²⁷ 27	18 ⁴⁷ 47	19 ⁴⁸ 48	5 ⁷ 7	12 ⁵ 5	S 3
M 4	6 54 6	13 ³⁶ 42	29 ⁴ 4	21 ⁴ 4	27 ⁴⁵ 45	22 ³³ 33	5 ³⁵ 35	4 ¹³ 13	7 ⁴¹ 41	23 ¹ 1	1 ²⁶ 26	18 ³⁴ 34	19 ⁴⁵ 45	5 ¹³ 13	12 ² 2	M 4
T 5	6 58 3	14 ³⁷ 53	11 ³ 6	21 ⁴⁶ 46	28 ²⁹ 29	22 ⁴⁶ 46	5 ³⁸ 38	4 ⁸ 8	7 ⁴² 42	23 ⁰ 0	1 ²⁵ 25	18 ²¹ 21	19 ⁴² 42	5 ²⁰ 20	12 ⁰ 0	T 5
W 6	7 1 59	15 ³⁹ 04	23 ² 2	22 ³⁴ 34	29 ¹¹ 11	22 ⁵⁹ 59	5 ⁴¹ 41	4 ³ 3	7 ⁴² 42	22 ⁵⁹ 59	1 ²⁴ 24	18 ⁹ 9	19 ³⁹ 39	5 ²⁷ 27	11 ⁵⁷ 57	W 6
T 7	7 5 56	16 ⁴⁰ 14	4 ⁵⁴ 54	23 ²⁶ 26	29 ⁵² 52	23 ¹² 12	5 ⁴³ 43	3 ⁵⁹ 59	7 ⁴² 42	22 ⁵⁸ 58	1 ²⁴ 24	17 ⁵⁹ 59	19 ³⁵ 35	5 ³⁴ 34	11 ⁵⁴ 54	T 7
F 8	7 9 52	17 ⁴¹ 24	16 ⁴² 42	24 ²² 22	0 ³² 32	23 ²⁴ 24	5 ⁴⁶ 46	3 ⁵⁴ 54	7 ⁴³ 43	22 ⁵⁷ 57	1 ²³ 23	17 ⁵¹ 51	19 ³² 32	5 ⁴⁰ 40	11 ⁵¹ 51	F 8
S 9	7 13 49	18 ⁴² 34	28 ³⁰ 30	25 ²¹ 21	1 ¹⁰ 10	23 ³⁵ 35	5 ⁴⁸ 48	3 ⁴⁹ 49	7 ⁴³ 43	22 ⁵⁶ 56	1 ²² 22	17 ⁴⁷ 47	19 ²⁹ 29	5 ⁴⁷ 47	11 ⁴⁸ 48	S 9
S 10	7 17 45	19 ⁴³ 43	10 ²⁰ 20	26 ²³ 23	1 ⁴⁸ 48	23 ⁴⁶ 46	5 ⁵⁰ 50	3 ⁴⁴ 44	7 ⁴³ 43	22 ⁵⁶ 56	1 ²¹ 21	17 ⁴⁴ 44	19 ²⁶ 26	5 ⁵⁴ 54	11 ⁴⁶ 46	S 10
M 11	7 21 42	20 ⁴⁴ 52	22 ¹⁷ 17	27 ²⁹ 29	2 ²⁴ 24	23 ⁵⁶ 56	5 ⁵² 52	3 ⁴⁰ 40	7 ⁴³ 43	22 ⁵⁵ 55	1 ²¹ 21	17 ⁴⁴ 44	19 ²³ 23	6 ⁰ 0	11 ⁴³ 43	M 11
T 12	7 25 39	21 ⁴⁶ 00	4 ²⁴ 24	28 ³⁶ 36	2 ⁵⁸ 58	24 ⁶ 6	5 ⁵⁴ 54	3 ³⁵ 35	7 ⁴³ 43	22 ⁵⁴ 54	1 ²⁰ 20	17 ⁴⁵ 45	19 ²⁰ 20	6 ⁷ 7	11 ⁴¹ 41	T 12
W 13	7 29 35	22 ⁴⁷ 07	16 ⁴⁷ 47	29 ⁴⁶ 46	3 ³¹ 31	24 ¹⁵ 15	5 ⁵⁵ 55	3 ³¹ 31	7 ⁴³ 43	22 ⁵³ 53	1 ¹⁹ 19	17 ⁴⁶ 46	19 ¹⁶ 16	6 ¹⁴ 14	11 ³⁸ 38	W 13
T 14	7 33 32	23 ⁴⁸ 14	29 ³¹ 31	0 ³⁸ 38	4 ³ 3	24 ²⁴ 24	5 ⁵⁶ 56	3 ²⁶ 26	7 ⁴³ 43	22 ⁵³ 53	1 ¹⁹ 19	17 ⁴⁶ 46	19 ¹³ 13	6 ²⁰ 20	11 ³⁶ 36	T 14
F 15	7 37 28	24 ⁴⁹ 20	12 ⁴⁰ 40	2 ¹² 12	4 ³³ 33	24 ³² 32	5 ⁵⁷ 57	3 ²² 22	7 ⁴³ 43	22 ⁵² 52	1 ¹⁸ 18	17 ⁴⁴ 44	19 ¹⁰ 10	6 ²⁷ 27	11 ³³ 33	F 15
S 16	7 41 25	25 ⁵⁰ 25	26 ¹⁸ 18	3 ²⁷ 27	5 ¹ 1	24 ³⁹ 39	5 ⁵⁸ 58	3 ¹⁷ 17	7 ⁴³ 43	22 ⁵² 52	1 ¹⁷ 17	17 ⁴⁰ 40	19 ⁷ 7	6 ³⁴ 34	11 ³¹ 31	S 16
S 17	7 45 21	26 ⁵¹ 30	10 ²⁶ 26	4 ⁴⁴ 44	5 ²⁷ 27	24 ⁴⁵ 45	5 ⁵⁹ 59	3 ¹³ 13	7 ⁴² 42	22 ⁵¹ 51	1 ¹⁷ 17	17 ³⁵ 35	19 ⁴ 4	6 ⁴⁰ 40	11 ²⁹ 29	S 17
M 18	7 49 18	27 ⁵² 33	25 ³ 3	6 ² 2	5 ⁵² 52	24 ⁵¹ 51	6 ⁰ 0	3 ⁹ 9	7 ⁴² 42	22 ⁵⁰ 50	1 ¹⁶ 16	17 ²⁷ 27	19 ¹ 1	6 ⁴⁷ 47	11 ²⁷ 27	M 18
T 19	7 53 14	28 ⁵³ 36	10 ³ 3	7 ²¹ 21	6 ¹⁵ 15	24 ⁵⁷ 57	6 ⁰ 0	3 ⁴ 4	7 ⁴² 42	22 ⁵⁰ 50	1 ¹⁶ 16	17 ¹⁹ 19	18 ⁵⁷ 57	6 ⁵⁴ 54	11 ²⁴ 24	T 19
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F 22	8 5 4	1 ⁵⁶ 40	25 ⁴⁹ 49	11 ²⁷ 27	7 ¹² 12	25 ⁸ 8	6 ⁰ 0	2 ⁵² 52	7 ⁴⁰ 40	22 ⁴⁹ 49	1 ¹⁴ 14	17 ² 2	18 ⁴⁸ 48	7 ¹⁴ 14	11 ¹⁹ 19	F 22
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S 24	8 12 57	3 ⁵⁸ 39	25 ¹⁶ 16	14 ¹⁶ 16	7 ⁴⁰ 40	25 ¹³ 13	5 ⁵⁹ 59	2 ⁴⁴ 44	7 ³⁹ 39	22 ⁴⁸ 48	1 ¹³ 13	17 ⁰ 0	18 ⁴¹ 41	7 ²⁷ 27	11 ¹⁵ 15	S 24
M 25	8 16 54	4 ⁵⁹ 38	9 ²³ 23	15 ⁴¹ 41	7 ⁵⁰ 50	25 ¹⁴ 14	5 ⁵⁸ 58	2 ⁴¹ 41	7 ³⁸ 38	22 ⁴⁸ 48	1 ¹³ 13	17 ¹ 1	18 ³⁸ 38	7 ³⁴ 34	11 ¹³ 13	M 25
T 26	8 20 50	6 ⁰ 36	23 ² 2	17 ⁸ 8	7 ⁵⁹ 59	25 ¹⁴ 14	5 ⁵⁷ 57	2 ³⁷ 37	7 ³⁸ 38	22 ⁴⁷ 47	1 ¹² 12	17 ³ 3	18 ³⁵ 35	7 ⁴⁰ 40	11 ¹² 12	T 26
W 27	8 24 47	7 ¹ 33	6 ¹⁶ 16	18 ³⁵ 35	8 ⁵ 5	25 ¹⁴ 14	5 ⁵⁶ 56	2 ³³ 33	7 ³⁷ 37	22 ⁴⁷ 47	1 ¹² 12	17 ⁴ 4	18 ³² 32	7 ⁴⁷ 47	11 ¹⁰ 10	W 27
T 28	8 28 43	8 ² 30	19 ⁸ 8	20 ³ 3	8 ⁸ 8	25 ¹² 12	5 ⁵⁵ 55	2 ³⁰ 30	7 ³⁶ 36	22 ⁴⁷ 47	1 ¹² 12	17 ³ 3	18 ²⁹ 29	7 ⁵⁴ 54	11 ⁸ 8	T 28
F 29	8 32 40	9 ³ 26	1 ⁴¹ 41	21 ³² 32	8 ⁹ 9	25 ¹⁰ 10	5 ⁵³ 53	2 ²⁶ 26	7 ³⁵ 35	22 ⁴⁷ 47	1 ¹¹ 11	17 ⁰ 0	18 ²⁶ 26	8 ¹ 1	11 ⁷ 7	F 29
S 30	8 36 37	10 ⁴ 22	14 ⁰ 0	23 ² 2	8 ⁸ 8	25 ⁸ 8	5 ⁵¹ 51	2 ²³ 23	7 ³⁴ 34	22 ⁴⁷ 47	1 ¹¹ 11	16 ⁵⁶ 56	18 ²² 22	8 ⁷ 7	11 ⁶ 6	S 30
S 31	8 40 33	11 ⁴⁵ 16	26 ⁸ 8	24 ³² 32	8 ⁴ 4	25 ⁴ 4	5 ⁴⁹ 49	2 ¹⁹ 19	7 ³³ 33	22 ⁴⁷ 47	1 ¹¹ 11	16 ⁵¹ 51	18 ¹⁹ 19	8 ¹⁴ 14	11 ⁴ 4	S 31

Day	☉	☽		♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
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ASTRODIENST EPHEMERIS for the year 1886

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 44 30	12 ²⁸ 6'10	8 ³⁸ 8	26 ³⁸ 4	7°R58	25°R 0	5°R47	2°R16	7°R32	22°R47	1°R10	16°R44	18 ¹¹ 16	8 ²² 21	11°R 3	M 1
T 2	8 48 26	13° 7'03	20° 2	27°36	7 ¹¹ 49	24 ¹¹ 55	5 ²⁴ 45	2 ²⁸ 13	7 ²¹ 31	22°D47	1 ¹¹ 10	16 ¹¹ 37	18°13	8°27	11 ¹¹ 2	T 2
W 3	8 52 23	14° 7'55	1 ²² 52	29° 9	7°38	24°49	5°42	2°10	7°30	22 ¹¹ 47	1°10	16°31	18°10	8°34	11° 1	W 3
T 4	8 56 19	15° 8'45	13°41	0 ²² 42	7°24	24°42	5°40	2° 7	7°28	22°47	1°10	16°26	18° 7	8°41	11° 0	T 4
F 5	9 0 16	16° 9'35	25°31	2°16	7° 8	24°35	5°37	2° 4	7°27	22°47	1° 9	16°23	18° 3	8°47	10°59	F 5
S 6	9 4 12	17°10'23	7 ¹¹ 22	3°51	6°49	24°26	5°34	2° 1	7°26	22°47	1° 9	16°21	18° 0	8°54	10°58	S 6
S 7	9 8 9	18°11'09	19°18	5°27	6°28	24°17	5°31	1°59	7°24	22°47	1° 9	16°D20	17°57	9° 1	10°58	S 7
M 8	9 12 6	19°11'55	1 ¹¹ 21	7° 4	6° 4	24° 8	5°27	1°56	7°23	22°47	1° 9	16°21	17°54	9° 7	10°57	M 8
T 9	9 16 2	20°12'38	13°34	8°41	5°39	23°57	5°24	1°54	7°22	22°48	1° 9	16°23	17°51	9°14	10°56	T 9
W10	9 19 59	21°13'21	26° 1	10°20	5°11	23°45	5°20	1°51	7°20	22°48	1° 9	16°24	17°47	9°21	10°56	W10
T 11	9 23 55	22°14'01	8 ¹¹ 45	11°59	4°42	23°33	5°16	1°49	7°19	22°48	1° 9	16°26	17°44	9°27	10°55	T 11
F 12	9 27 52	23°14'40	21°50	13°38	4°11	23°20	5°12	1°47	7°17	22°48	1° 9	16°R26	17°41	9°34	10°55	F 12
S 13	9 31 48	24°15'17	5 ¹¹ 19	15°19	3°38	23° 7	5° 8	1°45	7°15	22°49	1° 9	16°26	17°38	9°41	10°55	S 13
S 14	9 35 45	25°15'53	19°14	17° 1	3° 3	22°52	5° 3	1°43	7°14	22°49	1°D 9	16°25	17°35	9°47	10°54	S 14
M15	9 39 41	26°16'27	3 ²² 34	18°43	2°28	22°37	4°58	1°41	7°12	22°50	1° 9	16°22	17°32	9°54	10°54	M15
T 16	9 43 38	27°16'59	18°18	20°27	1°52	22°21	4°54	1°39	7°10	22°50	1° 9	16°20	17°28	10° 1	10°D54	T 16
W17	9 47 35	28°17'29	3 ¹¹ 20	22°11	1°15	22° 5	4°49	1°38	7° 8	22°51	1° 9	16°17	17°25	10° 7	10°54	W17
T 18	9 51 31	29°17'58	18°31	23°56	0°37	21°48	4°44	1°36	7° 7	22°51	1° 9	16°15	17°22	10°14	10°54	T 18
F 19	9 55 28	0 ¹¹ 18'25	3 ¹¹ 42	25°42	29 ²² 59	21°30	4°39	1°35	7° 5	22°52	1° 9	16°14	17°19	10°21	10°55	F 19
S 20	9 59 24	1°18'50	18°42	27°29	29°22	21°12	4°33	1°33	7° 3	22°52	1° 9	16°D14	17°16	10°27	10°55	S 20
S 21	10 3 21	2°19'14	3 ¹¹ 25	29°17	28°45	20°53	4°28	1°32	7° 1	22°53	1° 9	16°14	17°12	10°34	10°55	S 21
M22	10 7 17	3°19'36	17°44	1 ¹¹ 6	28° 9	20°33	4°22	1°31	6°59	22°54	1° 9	16°15	17° 9	10°41	10°56	M22
T 23	10 11 14	4°19'56	1 ¹¹ 36	2°56	27°33	20°13	4°16	1°30	6°57	22°54	1°10	16°17	17° 6	10°47	10°56	T 23
W24	10 15 10	5°20'16	15° 0	4°47	26°58	19°52	4°10	1°29	6°55	22°55	1°10	16°17	17° 3	10°54	10°57	W24
T 25	10 19 7	6°20'34	27°59	6°38	26°25	19°31	4° 4	1°29	6°53	22°56	1°10	16°18	17° 0	11° 1	10°57	T 25
F 26	10 23 3	7°20'50	10 ¹¹ 36	8°31	25°53	19°10	3°58	1°28	6°51	22°57	1°10	16°R18	16°57	11° 7	10°58	F 26
S 27	10 27 0	8°21'06	22°55	10°24	25°24	18°48	3°52	1°27	6°48	22°58	1°10	16°18	16°53	11°14	10°59	S 27
S 28	10 30 57	9 ¹¹ 21'19	5 ¹¹ 1	12 ¹¹ 18	24 ²² 55	18 ¹¹ 25	3 ²² 45	1 ²² 27	6 ²² 46	22 ¹¹ 58	1 ¹¹ 11	16 ¹¹ 17	16 ¹¹ 50	11 ²² 21	11 ¹¹ 0	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
M 1	17s10	18s23	4n50	22s17	1s21	3s26	5n33	5n26	3n45	0s58	1n27	22n40	0s46	2s18	0n45	16n48	1s44	7n58	12s42	5n14	4n39	15s 0	16n56	5s14	
T 2	16 53	17 40	4 20	22 4	1 27	3 16	5 47	5 29	3 46	0 57	1 27	22 40	0 46	2 18	0 45	16 48	1 44	7 58	12 42	5 17	4 40	14 58	16 56	5 13	
W 3	16 36	16 11	3 40	21 50	1 31	3 7	6 1	5 33	3 48	0 56	1 28	22 40	0 46	2 18	0 45	16 48	1 44	7 58	12 41	5 19	4 41	14 57	16 56	5 13	
T 4	16 18	14 1	2 49	21 34	1 36	3 0	6 14	5 37	3 49	0 54	1 28	22 40	0 46	2 17	0 45	16 48	1 44	7 58	12 41	5 21	4 42	14 56	16 56	5 13	
F 5	16 0	11 16	1 52	21 18	1 40	2 54	6 28	5 41	3 51	0 53	1 28	22 41	0 46	2 16	0 45	16 48	1 44	7 59	12 41	5 23	4 43	14 55	16 56	5 13	
S 6	15 42	8 3	0 49	20 59	1 45	2 48	6 41	5 46	3 52	0 51	1 28	22 41	0 45	2 16	0 45	16 48	1 44	7 59	12 40	5 23	4 45	14 54	16 57	5 12	
S 7	15 23	4 29	0s16	20 40	1 48	2 44	6 53	5 50	3 53	0 50	1 29	22 41	0 45	2 15	0 45	16 48	1 44	7 59	12 40	5 24	4 46	14 53	16 57	5 12	
M 8	15 4	0 43	1 22	20 19	1 52	2 41	7 6	5 56	3 55	0 48	1 29	22 41	0 45	2 15	0 45	16 48	1 44	7 59	12 40	5 23	4 47	14 52	16 57	5 12	
T 9	14 45	3n 8	2 24	19 57	1 55	2 40	7 17	6 1	3 56	0 47	1 29	22 41	0 45	2 14	0 45	16 48	1 44	8 0	12 40	5 23	4 48	14 51	16 57	5 12	
W10	14 26	6 55	3 21	19 33	1 58	2 39	7 29	6 7	3 57	0 45	1 29	22 42	0 45	2 14	0 45	16 48	1 44	8 0	12 39	5 22	4 50	14 50	16 57	5 11	
T 11	14 6	10 28	4 10	19 8	2 0	2 40	7 39	6 13	3 59	0 43	1 30	22 42	0 45	2 13	0 45	16 49	1 44	8 0	12 39	5 21	4 51	14 49	16 58	5 11	
F 12	13 47	13 36	4 47	18 41	2 2	2 41	7 49	6 19	4 0	0 41	1 30	22 42	0 44	2 12	0 45	16 49	1 44	8 0	12 39	5 21	4 52	14 48	16 58	5 11	
S 13	13 27	16 7	5 10	18 13	2 4	2 44	7 58	6 25	4 1	0 39	1 30	22 42	0 44	2 12	0 45	16 49	1 44	8 1	12 38	5 21	4 53	14 47	16 58	5 10	
S 14	13 6	17 47	5 15	17 44	2 5	2 49	8 7	6 32	4 2	0 38	1 30	22 42	0 44	2 11	0 45	16 49	1 43	8 1	12 38	5 22	4 55	14 46	16 58	5 10	
M15	12 46	18 23	5 2	17 13	2 6	2 54	8 14	6 39	4 3	0 35	1 31	22 43	0 44	2 10	0 45	16 49	1 43	8 1	12 38	5 23	4 56	14 45	16 59	5 10	
T 16	12 25	17 46	4 28	16 40	2 6	3 0	8 21	6 46	4 4	0 33	1 31	22 43	0 44	2 10	0 45	16 49	1 43	8 2	12 37	5 24	4 57	14 44	16 59	5 9	
W17	12 4	15 55	3 36	16 7	2 6	3 8	8 27	6 53	4 4	0 31	1 31	22 43	0 44	2 9	0 45	16 50	1 43	8 2	12 37	5 25	4 58	14 42	16 59	5 9	
T 18	11 43	12 57	2 28	15 32	2 6	3 16	8 32	7 0	4 5	0 29	1 31	22 43	0 43	2 8	0 45	16 50	1 43	8 2	12 37	5 25	5 0	14 41	17 0	5 9	
F 19	11 22	9 5	1 9	14 55	2 5	3 25	8 36	7 8	4 6	0 27	1 31	22 43	0 43	2 7	0 45	16 50	1 43	8 3	12 37	5 26	5 1	14 40	17 0	5 9	
S 20	11 1	4 41	0n14	14 17	2 4	3 35	8 39	7 16	4 6	0 24	1 32	22 44	0 43	2 6	0 45	16 50	1 43	8 3	12 36	5 26	5 2	14 39	17 0	5 8	
S 21	10 39	0 5	1 34	13 38	2 2	3 46	8 41	7 24	4 7	0 22	1 32	22 44	0 43	2 6	0 45	16 50	1 43	8 3	12 36	5 26	5 3	14 38	17 1	5 8	
M22	10 17	4s24	2 46	12 57	2 0	3 57	8 42	7 32	4 7	0 20	1 32	22 44	0 43	2 5	0 45	16 51	1 43	8 4	12 36	5 26	5 5	14 37	17 1	5 8	
T 23	9 56	8 30	3 46	12 15	1 57	4 9	8 42	7 40	4 8	0 17	1 32	22 44	0 43	2 4	0 45	16 51	1 43	8 4	12 35	5 25	5 6	14 36	17 1	5 7	
W24	9 34	12 1	4 31	11 31	1 53	4 21	8 41	7 49	4 8	0 15	1 32	22 44	0 42	2 3	0 45	16 51	1 43	8 4	12 35	5 25	5 7	14 35	17 2	5 7	
T 25	9 11	14 49	5 1	10 47	1 50	4 34	8 39	7 57	4 8	0 12	1 33	22 44	0 42	2 2	0 45	16 51	1 43	8 5	12 35	5 25	5 8	14 34	17 2	5 7	
F 26	8 49	16 50	5 16	10 0	1 45	4 47	8 37	8 6	4 8	0 10	1 33	22 45	0 42	2 2	0 45	16 52	1 43	8 5	12 34	5 24	5 9	14 33	17 2	5 7	
S 27	8 27	18 1	5 15	9 13	1 40	5 0	8 33	8 14	4 8	0 7	1 33	22 45	0 42	2 1	0 45	16 52	1 43	8 5	12 34	5 25	5 11	14 31	17 3	5 6	
S 28	8s 4	18s21	5n 1	8s25	1s35	5s13	8n29	8n23	4n 8	0s 4	1n33	22n45	0s42	2s 0	0n45	16n52	1s43	8n 6	12s34	5n25	5n12	14s30	17n 3	5s 6	

Julian Day Number = 2409938.5, Delta T = -4.32 sec

Ecliptic obliquity = 23°27'06, Nutation = - 0°00'02, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°08'58, Lahiri = 22°15'59

ASTRODIENST EPHEMERIS for the year 1886

geocentric

MARCH 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 34 53	10°11'31"	16°35'56"	14°11'13"	24°R29	18°R 3	3°R39	1°R27	6°R44	22°R59	1°R11	16°R16	16°R47	11°R27	11°R 1	M 1
T 2	10 38 50	11°21'42"	28°46'	16° 8	24°R 5	17°R40	3°R32	1°R26	6°R42	23° 0	1°11	16°R16	16°44	11°34	11° 2	T 2
W 3	10 42 46	12°21'50"	10°R34	18° 4	23°44	17°16	3°25	1°D26	6°39	23° 1	1°12	16°15	16°41	11°41	11° 3	W 3
T 4	10 46 43	13°21'57"	22°24'	20° 0	23°24	16°53	3°19	1°26	6°37	23° 2	1°12	16°15	16°38	11°47	11° 4	T 4
F 5	10 50 39	14°22'03"	4°R16	21°56	23° 7	16°29	3°12	1°27	6°35	23° 3	1°13	16°14	16°34	11°54	11° 5	F 5
S 6	10 54 36	15°22'06"	16°15	23°52	22°53	16° 6	3° 5	1°27	6°32	23° 4	1°13	16°D14	16°31	12° 1	11° 7	S 6
S 7	10 58 32	16°22'08"	28°22'	25°48	22°41	15°42	2°58	1°27	6°30	23° 5	1°13	16°R14	16°28	12° 7	11° 8	S 7
M 8	11 2 29	17°22'07"	10°R38	27°44	22°31	15°18	2°50	1°28	6°28	23° 7	1°14	16°14	16°25	12°14	11° 9	M 8
T 9	11 6 26	18°22'05"	23° 5	29°38	22°24	14°55	2°43	1°28	6°25	23° 8	1°14	16°14	16°22	12°21	11°11	T 9
W10	11 10 22	19°22'00"	5°R45	1°R31	22°19	14°31	2°36	1°29	6°23	23° 9	1°15	16°14	16°18	12°27	11°13	W10
T 11	11 14 19	20°21'54"	18°40'	3°22	22°D16	14° 8	2°28	1°30	6°20	23°10	1°15	16°13	16°15	12°34	11°14	T 11
F 12	11 18 15	21°21'45"	1°R51	5°12	22°17	13°44	2°21	1°31	6°18	23°11	1°16	16°13	16°12	12°41	11°16	F 12
S 13	11 22 12	22°21'34"	15°19	6°59	22°19	13°21	2°13	1°32	6°15	23°13	1°17	16°13	16° 9	12°47	11°18	S 13
S 14	11 26 8	23°21'21"	29° 6	8°42	22°24	12°58	2° 6	1°33	6°13	23°14	1°17	16°D13	16° 6	12°54	11°20	S 14
M15	11 30 5	24°21'05"	13°R12	10°23	22°31	12°36	1°58	1°34	6°10	23°15	1°18	16°13	16° 3	13° 1	11°22	M15
T 16	11 34 1	25°20'47"	27°36'	11°59	22°40	12°14	1°50	1°36	6° 8	23°17	1°18	16°14	15°59	13° 7	11°24	T 16
W17	11 37 58	26°20'27"	12°R14	13°31	22°51	11°52	1°43	1°37	6° 5	23°18	1°19	16°15	15°56	13°14	11°26	W17
T 18	11 41 55	27°20'05"	27° 2	14°58	23° 5	11°30	1°35	1°39	6° 3	23°19	1°20	16°15	15°53	13°21	11°28	T 18
F 19	11 45 51	28°19'40"	11°R54	16°20	23°21	11° 9	1°27	1°40	6° 0	23°21	1°20	16°R16	15°50	13°27	11°31	F 19
S 20	11 49 48	29°19'14"	26°41'	17°36	23°38	10°49	1°20	1°42	5°58	23°22	1°21	16°16	15°47	13°34	11°33	S 20
S 21	11 53 44	0°R18'45"	11°R17	18°46	23°58	10°29	1°12	1°44	5°55	23°24	1°22	16°15	15°44	13°41	11°35	S 21
M22	11 57 41	1°18'14"	25°36'	19°49	24°19	10°10	1° 4	1°46	5°53	23°25	1°23	16°13	15°40	13°47	11°38	M22
T 23	12 1 37	2°17'41"	9°R12	20°46	24°42	9°51	0°56	1°48	5°50	23°27	1°23	16°11	15°37	13°54	11°40	T 23
W24	12 5 34	3°17'07"	23° 3	21°35	25° 7	9°32	0°49	1°50	5°47	23°28	1°24	16° 9	15°34	14° 1	11°43	W24
T 25	12 9 30	4°16'31"	6°R 9	22°18	25°34	9°15	0°41	1°53	5°45	23°30	1°25	16° 7	15°31	14° 7	11°46	T 25
F 26	12 13 27	5°15'53"	18°52'	22°53	26° 2	8°58	0°33	1°55	5°42	23°32	1°26	16° 5	15°28	14°14	11°48	F 26
S 27	12 17 23	6°15'13"	1°R15	23°20	26°32	8°41	0°25	1°58	5°40	23°33	1°27	16°D 4	15°24	14°21	11°51	S 27
S 28	12 21 20	7°14'32"	13°22'	23°40	27° 3	8°26	0°18	2° 0	5°37	23°35	1°27	16° 4	15°21	14°27	11°54	S 28
M29	12 25 17	8°13'48"	25°18'	23°52	27°36	8°11	0°10	2° 3	5°34	23°37	1°28	16° 5	15°18	14°34	11°57	M29
T 30	12 29 13	9°13'03"	7°R 7	23°R57	28°10	7°57	0° 2	2° 6	5°32	23°38	1°29	16° 7	15°15	14°41	12° 0	T 30
W31	12 33 10	10°R12'16"	18°R56	23°R55	28°R46	7°R43	29°R55	2°R 9	5°R29	23°R40	1°R30	16°R 8	15°R12	14°R47	12°R 3	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	7s41	17s51	4n33	7s35	1s29	5s26	8n24	8n32	4n 8	0s 1	1n33	22n45	0s41	1s59	0n45	M 1
T 2	7 18	16 35	3 54	6 44	1 22	5 40	8 18	8 41	4 8	0n 1	1 33	22 45	0 41	1 58	0 45	T 2
W 3	6 56	14 37	3 6	5 52	1 15	5 53	8 11	8 49	4 7	0 4	1 34	22 46	0 41	1 57	0 45	W 3
T 4	6 32	12 2	2 9	4 59	1 7	6 6	8 4	8 58	4 7	0 7	1 34	22 46	0 41	1 56	0 45	T 4
F 5	6 9	8 55	1 6	4 6	0 58	6 18	7 56	9 7	4 6	0 10	1 34	22 46	0 41	1 55	0 45	F 5
S 6	5 46	5 26	0 3	1 11	0 49	6 31	7 48	9 15	4 5	0 13	1 34	22 46	0 41	1 54	0 45	S 6
S 7	5 23	1 40	1 7	2 17	0 40	6 43	7 39	9 24	4 5	0 16	1 34	22 46	0 40	1 53	0 45	S 7
M 8	5 0	2n12	2 12	1 21	0 30	6 54	7 30	9 32	4 4	0 19	1 34	22 46	0 40	1 52	0 45	M 8
T 9	4 36	6 1	3 11	0 26	0 19	7 6	7 21	9 40	4 3	0 22	1 34	22 47	0 40	1 51	0 45	T 9
W10	4 13	9 38	4 2	0n29	0 8	7 16	7 11	9 49	4 2	0 25	1 34	22 47	0 40	1 50	0 45	W10
T 11	3 49	12 52	4 42	1 24	0n 4	7 27	7 1	9 57	4 0	0 28	1 35	22 47	0 40	1 49	0 45	T 11
F 12	3 26	15 31	5 8	2 18	0 16	7 36	6 51	10 4	3 59	0 31	1 35	22 47	0 40	1 48	0 45	F 12
S 13	3 2	17 23	5 18	3 12	0 28	7 45	6 41	10 12	3 58	0 34	1 35	22 47	0 39	1 48	0 45	S 13
S 14	2 38	18 17	5 10	4 5	0 41	7 54	6 30	10 20	3 56	0 37	1 35	22 47	0 39	1 47	0 45	S 14
M15	2 15	18 6	4 43	4 56	0 54	8 2	6 19	10 27	3 55	0 40	1 35	22 47	0 39	1 46	0 45	M15
T 16	1 51	16 45	3 59	5 46	1 6	8 9	6 8	10 34	3 53	0 43	1 35	22 48	0 39	1 45	0 45	T 16
W17	1 27	14 17	2 58	6 33	1 19	8 16	5 58	10 41	3 51	0 46	1 35	22 48	0 39	1 43	0 45	W17
T 18	1 4	10 52	1 45	7 19	1 32	8 22	5 47	10 47	3 49	0 49	1 35	22 48	0 39	1 42	0 45	T 18
F 19	0 40	6 44	0 24	8 2	1 45	8 27	5 36	10 54	3 48	0 53	1 35	22 48	0 38	1 41	0 45	F 19
S 20	0 16	2 12	0n58	8 43	1 57	8 32	5 25	11 0	3 46	0 56	1 35	22 48	0 38	1 40	0 45	S 20
S 21	0n 7	2s24	2 14	9 20	2 9	8 36	5 14	11 5	3 44	0 59	1 35	22 48	0 38	1 39	0 45	S 21
M22	0 31	6 47	3 21	9 55	2 20	8 39	5 3	11 11	3 42	1 2	1 35	22 48	0 38	1 38	0 45	M22
T 23	0 55	10 39	4 14	10 26	2 31	8 42	4 52	11 16	3 39	1 5	1 35	22 49	0 38	1 37	0 45	T 23
W24	1 18	13 51	4 51	10 54	2 40	8 44	4 41	11 21	3 37	1 8	1 35	22 49	0 38	1 36	0 45	W24
T 25	1 42	16 14	5 11	11 18	2 49	8 45	4 30	11 26	3 35	1 11	1 35	22 49	0 37	1 35	0 45	T 25
F 26	2 6	17 44	5 16	11 39	2 57	8 46	4 20	11 30	3 33	1 14	1 35	22 49	0 37	1 34	0 45	F 26
S 27	2 29	18 22	5 5	11 55	3 4	8 46	4 9	11 34	3 30	1 17	1 35	22 49	0 37	1 33	0 45	S 27
S 28	2 53	18 7	4 41	12 8	3 10	8 45	3 59	11 38	3 28	1 20	1 35	22 49	0 37	1 32	0 45	S 28
M29	3 16	17 4	4 5	12 17	3 14	8 44	3 49	11 41	3 26	1 23	1 35	22 49	0 37	1 31	0 45	M29
T 30	3 39	15 17	3 19	12 21	3 17	8 42	3 38	11 44	3 23	1 26	1 35	22 49	0 37	1 30	0 45	T 30
W31	4n 3	12s52	2n25	12n22	3n19	8s39	3n28	11n47	3n21	1n29	1n35	22n50	0s36	1s29	0n45	W31

Julian Day Number = 2409966.5, Delta T = -4.30 sec
 Ecliptic obliquity = 23°27'06", Nutation = - 0°00'03", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°09'02", Lahiri = 22°16'02"

ASTRODIENST EPHEMERIS for the year 1886

geocentric

APRIL 1886

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 37 6	11°11'28	0°47	23°R46	29°22	7°R31	29°R47	2°12	5°R27	23°42	1°11	16°10	15°9	14°54	12°11	T 1
F 2	12 41 3	12°10'37	12°44	23°Y30	0°0	7°19	29°40	2°15	5°24	23°44	1°32	16°R11	15°5	15°1	12°9	F 2
S 3	12 44 59	13°9'44	24°52	23°8	0°39	7°7	29°32	2°18	5°21	23°45	1°33	16°10	15°2	15°7	12°13	S 3
S 4	12 48 56	14°8'50	7°11	22°41	1°20	6°57	29°25	2°22	5°19	23°47	1°34	16°9	14°59	15°14	12°16	S 4
M 5	12 52 52	15°7'53	19°44	22°8	2°1	6°47	29°18	2°25	5°16	23°49	1°35	16°6	14°56	15°21	12°19	M 5
T 6	12 56 49	16°6'54	2°31	21°31	2°43	6°38	29°11	2°29	5°14	23°51	1°36	16°1	14°53	15°27	12°23	T 6
W 7	13 0 46	17°5'54	15°32	20°51	3°27	6°30	29°4	2°32	5°11	23°53	1°37	15°56	14°49	15°34	12°26	W 7
T 8	13 4 42	18°4'51	28°47	20°8	4°11	6°23	28°57	2°36	5°9	23°55	1°38	15°51	14°46	15°41	12°30	T 8
F 9	13 8 39	19°3'46	12°15	19°23	4°56	6°17	28°50	2°40	5°6	23°57	1°39	15°47	14°43	15°47	12°33	F 9
S 10	13 12 35	20°2'39	25°55	18°38	5°42	6°11	28°43	2°44	5°4	23°58	1°40	15°43	14°40	15°54	12°37	S 10
S 11	13 16 32	21°1'29	9°46	17°52	6°29	6°6	28°36	2°48	5°1	24°0	1°41	15°41	14°37	16°1	12°40	S 11
M 12	13 20 28	22°0'17	23°47	17°7	7°17	6°2	28°29	2°52	4°59	24°2	1°42	15°D40	14°34	16°7	12°44	M 12
T 13	13 24 25	22°59'03	7°15	16°24	8°5	5°59	28°23	2°56	4°56	24°4	1°43	15°41	14°30	16°14	12°48	T 13
W 14	13 28 21	23°57'47	22°15	15°43	8°54	5°56	28°16	3°0	4°54	24°6	1°44	15°42	14°27	16°21	12°52	W 14
T 15	13 32 18	24°56'28	6°38	15°5	9°44	5°54	28°10	3°5	4°52	24°8	1°45	15°44	14°24	16°27	12°56	T 15
F 16	13 36 15	25°55'07	21°3	14°31	10°35	5°53	28°4	3°9	4°49	24°10	1°46	15°R44	14°21	16°34	13°0	F 16
S 17	13 40 11	26°53'44	5°25	14°0	11°26	5°D53	27°58	3°14	4°47	24°12	1°48	15°42	14°18	16°41	13°4	S 17
S 18	13 44 8	27°52'19	19°41	13°34	12°18	5°54	27°52	3°18	4°44	24°14	1°49	15°39	14°15	16°47	13°8	S 18
M 19	13 48 4	28°50'52	3°14	13°13	13°11	5°55	27°46	3°23	4°42	24°17	1°50	15°33	14°11	16°54	13°12	M 19
T 20	13 52 1	29°49'23	17°30	12°56	14°4	5°57	27°40	3°28	4°40	24°19	1°51	15°26	14°8	17°1	13°16	T 20
W 21	13 55 57	0°47'52	0°57	12°45	14°58	5°59	27°35	3°33	4°38	24°21	1°52	15°19	14°5	17°7	13°20	W 21
T 22	13 59 54	1°46'20	14°2	12°39	15°52	6°3	27°29	3°38	4°35	24°23	1°53	15°11	14°2	17°14	13°24	T 22
F 23	14 3 50	2°44'45	26°46	12°D37	16°47	6°7	27°24	3°43	4°33	24°25	1°55	15°5	13°59	17°21	13°28	F 23
S 24	14 7 47	3°43'10	9°11	12°41	17°43	6°12	27°19	3°48	4°31	24°27	1°56	15°0	13°55	17°27	13°33	S 24
S 25	14 11 44	4°41'32	21°20	12°49	18°38	6°17	27°14	3°53	4°29	24°29	1°57	14°57	13°52	17°34	13°37	S 25
M 26	14 15 40	5°39'53	3°17	13°3	19°35	6°23	27°9	3°58	4°27	24°31	1°58	14°D56	13°49	17°41	13°41	M 26
T 27	14 19 37	6°38'13	15°7	13°21	20°32	6°30	27°5	4°3	4°25	24°33	1°59	14°56	13°46	17°47	13°46	T 27
W 28	14 23 33	7°36'31	26°56	13°43	21°29	6°37	27°0	4°9	4°23	24°36	2°1	14°57	13°43	17°54	13°50	W 28
T 29	14 27 30	8°34'47	8°49	14°10	22°27	6°45	26°56	4°14	4°21	24°38	2°2	14°R58	13°40	18°1	13°55	T 29
F 30	14 31 26	9°33'02	20°45	14°Y41	23°25	6°53	26°52	4°20	4°19	24°40	2°3	14°Y58	13°36	18°7	13°59	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	
T 1	4n26	9s54	1n24	12n19	3n19	8s36	3n18	11n49	3n18	1n32	1n35	22n50	0s36	1s28	0n45	T 1
F 2	4 49	6 29	0 19	12 11	3 18	8 32	3 8	11 51	3 16	1 35	1 35	22 50	0 36	1 27	0 45	F 2
S 3	5 12	2 46	0s48	12 0	3 14	8 28	2 59	11 53	3 13	1 38	1 35	22 50	0 36	1 26	0 45	S 3
S 4	5 35	1n 7	1 53	11 46	3 10	8 22	2 49	11 55	3 11	1 41	1 35	22 50	0 36	1 25	0 45	S 4
M 5	5 58	5 2	2 54	11 27	3 3	8 17	2 40	11 56	3 8	1 44	1 35	22 50	0 36	1 24	0 45	M 5
T 6	6 21	8 48	3 47	11 6	2 55	8 10	2 30	11 57	3 5	1 47	1 35	22 50	0 36	1 23	0 45	T 6
W 7	6 43	12 12	4 30	10 42	2 46	8 3	2 21	11 57	3 3	1 49	1 35	22 50	0 35	1 22	0 45	W 7
T 8	7 6	15 3	4 59	10 16	2 35	7 56	2 12	11 58	3 0	1 52	1 35	22 50	0 35	1 21	0 45	T 8
F 9	7 28	17 8	5 12	9 47	2 23	7 47	2 3	11 58	2 58	1 55	1 35	22 50	0 35	1 20	0 45	F 9
S 10	7 50	18 16	5 7	9 18	2 9	7 39	1 55	11 57	2 55	1 57	1 34	22 51	0 35	1 19	0 45	S 10
S 11	8 13	18 21	4 45	8 47	1 55	7 29	1 46	11 57	2 52	2 0	1 34	22 51	0 35	1 18	0 45	S 11
M 12	8 35	17 19	4 6	8 15	1 39	7 20	1 38	11 56	2 50	2 3	1 34	22 51	0 35	1 17	0 45	M 12
T 13	8 56	15 12	3 11	7 44	1 24	7 9	1 30	11 55	2 47	2 5	1 34	22 51	0 34	1 16	0 45	T 13
W 14	9 18	12 8	2 4	7 13	1 7	6 58	1 22	11 53	2 45	2 7	1 34	22 51	0 34	1 15	0 45	W 14
T 15	9 40	8 19	0 49	6 43	0 51	6 47	1 14	11 51	2 42	2 10	1 34	22 51	0 34	1 14	0 45	T 15
F 16	10 1	4 0	0n29	6 14	0 34	6 35	1 6	11 49	2 39	2 12	1 34	22 51	0 34	1 13	0 45	F 16
S 17	10 22	0s33	1 45	5 47	0 17	6 23	0 58	11 47	2 37	2 14	1 34	22 51	0 34	1 13	0 45	S 17
S 18	10 43	5 1	2 54	5 22	0 1	6 10	0 51	11 45	2 34	2 17	1 33	22 51	0 34	1 12	0 45	S 18
M 19	11 4	9 9	3 51	4 59	0s15	5 57	0 43	11 42	2 32	2 19	1 33	22 51	0 34	1 11	0 45	M 19
T 20	11 25	12 42	4 33	4 38	0 31	5 43	0 36	11 39	2 29	2 21	1 33	22 51	0 33	1 10	0 45	T 20
W 21	11 45	15 29	4 59	4 20	0 46	5 29	0 29	11 35	2 27	2 23	1 33	22 51	0 33	1 9	0 45	W 21
T 22	12 6	17 24	5 8	4 4	1 1	5 14	0 22	11 32	2 24	2 25	1 33	22 51	0 33	1 8	0 45	T 22
F 23	12 26	18 23	5 2	3 51	1 15	4 59	0 16	11 28	2 22	2 27	1 33	22 51	0 33	1 7	0 45	F 23
S 24	12 46	18 27	4 42	3 40	1 28	4 43	0 9	11 24	2 19	2 29	1 33	22 51	0 33	1 6	0 45	S 24
S 25	13 6	17 40	4 9	3 32	1 40	4 27	0 3	11 20	2 17	2 31	1 32	22 51	0 33	1 6	0 45	S 25
M 26	13 25	16 6	3 26	3 27	1 51	4 11	0s 3	11 15	2 15	2 32	1 32	22 51	0 33	1 5	0 45	M 26
T 27	13 44	13 51	2 34	3 24	2 2	3 54	0 10	11 11	2 12	2 34	1 32	22 51	0 32	1 4	0 45	T 27
W 28	14 3	11 2	1 36	3 23	2 12	3 37	0 16	11 6	2 10	2 36	1 32	22 51	0 32	1 3	0 45	W 28
T 29	14 22	7 45	0 33	3 25	2 21	3 20	0 21	11 1	2 7	2 37	1 32	22 51	0 32	1 2	0 45	T 29
F 30	14n41	4s 7	0s32	3n30	2s29	3s 2	0s27	10n55	2n 5	2n39	1n31	22n51	0s32	1s 2	0n45	F 30

Julian Day Number = 2409997.5, Delta T = -4.29 sec

Ecliptic obliquity = 23°27'06, Nutation = - 0°00'05, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°09'06, Lahiri = 22°16'07

ASTRODIENST EPHEMERIS for the year 1886

geocentric

MAY 1886

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 35 23	10 ⁸ 31'15	3 ^Υ 5	15 ^Υ 16	24 ^Υ 23	7 [♏] 3	26°R48	4 [♏] 25	4°R17	24 [♏] 42	2 [♏] 5	14°R56	13 [♏] 33	18 [♏] 14	14 [♏] 4	S 1
S 2	14 39 19	11°29'27	15°35	15°55	25°22	7°12	26 [♏] 44	4°31	4 [♏] 15	24°44	2° 6	14 [♏] 52	13°30	18°21	14° 8	S 2
M 3	14 43 16	12°27'37	28°24	16°38	26°22	7°23	26°40	4°37	4°13	24°47	2° 7	14°46	13°27	18°27	14°13	M 3
T 4	14 47 12	13°25'45	11 [♏] 31	17°24	27°21	7°34	26°36	4°42	4°11	24°49	2° 8	14°38	13°24	18°34	14°18	T 4
W 5	14 51 9	14°23'52	24°57	18°14	28°21	7°45	26°33	4°48	4° 9	24°51	2°10	14°28	13°20	18°41	14°22	W 5
T 6	14 55 6	15°21'57	8 [♏] 37	19° 7	29°22	7°57	26°30	4°54	4° 8	24°53	2°11	14°18	13°17	18°47	14°27	T 6
F 7	14 59 2	16°20'01	22°30	20° 4	0 ^Υ 22	8°10	26°27	5° 0	4° 6	24°55	2°12	14° 8	13°14	18°54	14°32	F 7
S 8	15 2 59	17°18'02	6 [♏] 31	21° 3	1°23	8°23	26°24	5° 6	4° 4	24°58	2°14	14° 1	13°11	19° 1	14°36	S 8
S 9	15 6 55	18°16'02	20°38	22° 5	2°24	8°37	26°21	5°12	4° 3	25° 0	2°15	13°55	13° 8	19° 7	14°41	S 9
M10	15 10 52	19°14'00	4 [♏] 46	23°11	3°26	8°51	26°19	5°19	4° 1	25° 2	2°16	13°53	13° 5	19°14	14°46	M10
T 11	15 14 48	20°11'56	18°55	24°19	4°28	9° 6	26°17	5°25	3°59	25° 4	2°18	13°D52	13° 1	19°21	14°51	T 11
W12	15 18 45	21° 9'50	3 [♏] 2	25°29	5°30	9°21	26°14	5°31	3°58	25° 7	2°19	13°52	12°58	19°27	14°56	W12
T 13	15 22 41	22° 7'42	17° 7	26°42	6°32	9°37	26°13	5°38	3°56	25° 9	2°20	13°R52	12°55	19°34	15° 1	T 13
F 14	15 26 38	23° 5'33	1 [♏] 9	27°58	7°35	9°53	26°11	5°44	3°55	25°11	2°22	13°51	12°52	19°40	15° 6	F 14
S 15	15 30 35	24° 3'22	15° 5	29°17	8°37	10°10	26° 9	5°50	3°54	25°13	2°23	13°48	12°49	19°47	15°11	S 15
S 16	15 34 31	25° 1'09	28°55	0 [♏] 37	9°40	10°27	26° 8	5°57	3°52	25°16	2°24	13°42	12°46	19°54	15°16	S 16
M17	15 38 28	25°58'54	12 [♏] 35	2° 1	10°44	10°44	26° 7	6° 3	3°51	25°18	2°26	13°33	12°42	20° 0	15°21	M17
T 18	15 42 24	26°56'39	26° 1	3°26	11°47	11° 2	26° 6	6°10	3°50	25°20	2°27	13°22	12°39	20° 7	15°26	T 18
W19	15 46 21	27°54'22	9 [♏] 13	4°54	12°51	11°21	26° 5	6°17	3°49	25°22	2°28	13°11	12°36	20°14	15°31	W19
T 20	15 50 17	28°52'03	22° 8	6°25	13°55	11°40	26° 4	6°23	3°47	25°25	2°30	12°59	12°33	20°20	15°36	T 20
F 21	15 54 14	29°49'44	4 [♏] 45	7°57	14°59	11°59	26° 3	6°30	3°46	25°27	2°31	12°48	12°30	20°27	15°41	F 21
S 22	15 58 10	0 [♏] 47'23	17° 6	9°32	16° 4	12°18	26° 3	6°37	3°45	25°29	2°32	12°39	12°26	20°34	15°46	S 22
S 23	16 2 7	1°45'01	29°13	11° 9	17° 8	12°38	26°D 3	6°44	3°44	25°31	2°34	12°33	12°23	20°40	15°51	S 23
M24	16 6 4	2°42'38	11 [♏] 10	12°49	18°13	12°59	26° 3	6°51	3°43	25°34	2°35	12°29	12°20	20°47	15°56	M24
T 25	16 10 0	3°40'14	23° 0	14°31	19°18	13°20	26° 3	6°58	3°42	25°36	2°37	12°27	12°17	20°54	16° 1	T 25
W26	16 13 57	4°37'49	4 [♏] 49	16°15	20°23	13°41	26° 4	7° 5	3°42	25°38	2°38	12°27	12°14	21° 0	16° 6	W26
T 27	16 17 53	5°35'24	16°42	18° 1	21°29	14° 2	26° 4	7°12	3°41	25°40	2°39	12°27	12°11	21° 7	16°12	T 27
F 28	16 21 50	6°32'57	28°45	19°50	22°34	14°24	26° 5	7°19	3°40	25°43	2°41	12°26	12° 7	21°14	16°17	F 28
S 29	16 25 46	7°30'30	11 ^Υ 3	21°41	23°40	14°46	26° 6	7°26	3°39	25°45	2°42	12°23	12° 4	21°20	16°22	S 29
S 30	16 29 43	8°28'01	23°40	23°34	24°46	15° 9	26° 7	7°33	3°39	25°47	2°43	12°19	12° 1	21°27	16°27	S 30
M31	16 33 39	9 [♏] 25'32	6 [♏] 39	25 [♏] 29	25 ^Υ 52	15 [♏] 32	26 [♏] 8	7°34	3 [♏] 38	25 [♏] 49	2 [♏] 45	12 [♏] 11	11 [♏] 58	21 [♏] 34	16 [♏] 32	M31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	14n59	0s14	1s36	3n36	2s37	2s44	0s32	10n50	2n 3	2n40	1n31	22n51	0s32	1s 1	0n45	17n20	1s40	8n29	12s20	5n56	6n28	13s16	17n40	4s52			
S 2	15 17	3n44	2 37	3 45	2 43	2 25	0 38	10 44	2 1	2 42	1 31	22 51	0 32	1 0	0 45	17 21	1 40	8 30	12 20	5 58	6 29	13 15	17 41	4 52			
M 3	15 35	7 37	3 31	3 56	2 49	2 6	0 43	10 38	1 58	2 43	1 31	22 51	0 32	1 0	0 45	17 21	1 40	8 30	12 19	6 0	6 31	13 14	17 41	4 52			
T 4	15 53	11 15	4 15	4 9	2 54	1 47	0 48	10 32	1 56	2 44	1 31	22 51	0 31	0 59	0 45	17 22	1 40	8 31	12 19	6 3	6 32	13 13	17 42	4 52			
W 5	16 10	14 22	4 47	4 24	2 59	1 28	0 53	10 25	1 54	2 45	1 30	22 51	0 31	0 58	0 45	17 22	1 40	8 31	12 19	6 7	6 33	13 11	17 42	4 52			
T 6	16 27	16 46	5 3	4 41	3 2	1 8	0 58	10 19	1 52	2 46	1 30	22 50	0 31	0 57	0 45	17 23	1 40	8 31	12 19	6 11	6 34	13 10	17 43	4 51			
F 7	16 44	18 14	5 1	4 59	3 5	0 48	1 2	10 12	1 49	2 47	1 30	22 50	0 31	0 57	0 45	17 23	1 40	8 32	12 19	6 15	6 35	13 9	17 44	4 51			
S 8	17 0	18 37	4 41	5 19	3 7	0 28	1 7	10 5	1 47	2 48	1 30	22 50	0 31	0 56	0 45	17 24	1 40	8 32	12 19	6 18	6 37	13 7	17 44	4 51			
S 9	17 17	17 50	4 4	5 41	3 9	0 8	1 11	9 58	1 45	2 49	1 30	22 50	0 31	0 56	0 45	17 25	1 40	8 32	12 19	6 20	6 38	13 6	17 45	4 51			
M10	17 33	15 58	3 13	6 5	3 9	0n13	1 15	9 51	1 43	2 50	1 29	22 50	0 31	0 55	0 45	17 25	1 40	8 33	12 19	6 21	6 39	13 5	17 46	4 51			
T 11	17 48	13 7	2 9	6 29	3 10	0 34	1 19	9 43	1 41	2 51	1 29	22 50	0 31	0 54	0 44	17 26	1 40	8 33	12 19	6 21	6 40	13 4	17 46	4 51			
W12	18 4	9 30	0 57	6 56	3 9	0 55	1 23	9 36	1 39	2 51	1 29	22 50	0 30	0 54	0 44	17 26	1 40	8 33	12 19	6 21	6 42	13 2	17 47	4 51			
T 13	18 19	5 21	0n17	7 23	3 8	1 16	1 27	9 28	1 37	2 52	1 29	22 50	0 30	0 53	0 44	17 27	1 40	8 34	12 18	6 21	6 43	13 1	17 47	4 51			
F 14	18 33	0 56	1 31	7 52	3 6	1 37	1 31	9 20	1 35	2 52	1 28	22 49	0 30	0 53	0 44	17 27	1 40	8 34	12 18	6 21	6 44	13 0	17 48	4 51			
S 15	18 48	3s31	2 38	8 22	3 3	1 59	1 34	9 12	1 33	2 53	1 28	22 49	0 30	0 52	0 44	17 28	1 40	8 34	12 18	6 23	6 45	12 58	17 48	4 51			
S 16	19 2	7 44	3 35	8 53	3 0	2 21	1 37	9 3	1 31	2 53	1 28	22 49	0 30	0 52	0 44	17 28	1 40	8 35	12 18	6 25	6 46	12 57	17 49	4 51			
M17	19 16	11 30	4 19	9 25	2 56	2 42	1 41	8 55	1 29	2 53	1 28	22 49	0 30	0 51	0 44	17 29	1 40	8 35	12 18	6 28	6 48	12 56	17 50	4 51			
T 18	19 29	14 36	4 48	9 58	2 52	3 4	1 44	8 46	1 27	2 54	1 28	22 49	0 30	0 51	0 44	17 29	1 40	8 35	12 18	6 32	6 49	12 54	17 50	4 51			
W19	19 42	16 53	5 1	10 32	2 47	3 26	1 47	8 38	1 25	2 54	1 27	22 49	0 30	0 50	0 44	17 30	1 40	8 35	12 18	6 37	6 50	12 53	17 51	4 51			
T 20	19 55	18 16	4 58	11 7	2 42	3 49	1 49	8 29	1 23	2 54	1 27	22 48	0 30	0 50	0 44	17 30	1 40	8 36	12 18	6 41	6 51	12 52	17 51	4 51			
F 21	20 7	18 42	4 40	11 43	2 36	4 11	1 52	8 20	1 22	2 54	1 27	22 48	0 29	0 50	0 44	17 31	1 40	8 36	12 18	6 46	6 53	12 51	17 52	4 51			
S 22	20 20	18 14	4 9	12 19	2 29	4 33	1 55	8 10	1 20	2 54	1 27	22 48	0 29	0 49	0 44	17 32	1 40	8 36	12 18	6 49	6 54	12 49	17 52	4 51			
S 23	20 31	16 56	3 28	12 56	2 22	4 56	1 57	8 1	1 18	2 53	1 26	22 48	0 29	0 49	0 44	17 32	1 40	8 37	12 18	6 51	6 55	12 48	17 53	4 51			
M24	20 43	14 54	2 38	13 33	2 15	5 18	1 59	7 52	1 16	2 53	1 26	22 47	0 29	0 48	0 44	17 33	1 40	8 37	12 18	6 53	6 56	12 47	17 53	4 51			
T 25	20 54	12 16	1 41	14 11	2 7	5 41	2 1	7 42	1 14	2 53	1 26	22 47	0 29	0 48	0 44	17 33	1 40	8 37	12 18	6 54	6 57	12 45	17 54	4 51			
W26	21 5	9 7	0 40	14 49	1 59	6 4	2 3	7 32	1 13	2 53	1 26	22 47	0 29	0 48	0 44	17 34	1 40	8 37	12 18	6 54	6 59	12 44	17 54	4 51			
T 27	21 15	5 36	0s23	15 27	1 50	6 26	2 5	7 22	1 11	2 52	1 25	22 47	0 29	0 48	0 44	17 34	1 40	8 38	12 18	6 54	7 0	12 43	17 55	4 51			
F 28	21 25	1 48	1 25	16 5	1 41	6 49	2 7	7 12	1 9	2 52	1 25	22 46	0 29	0 47	0 44	17 35	1 40	8 38	12 18	6 54	7 1	12 41	17 55	4 51			
S 29	21 34	2n 9	2 25	16 43	1 31	7 12	2 9	7 2	1 7	2 51	1 25	22 46	0 28	0 47	0 44	17 35	1 40	8 38	12 18	6 55	7 2	12 40	17 56	4 51			
S 30	21 44	6 6	3 20	17 22	1 21	7 34	2 10	6 52	1 6	2 50	1 25	22 46	0 28	0 47	0 44	17 36	1 40	8 38	12 18	6 57	7 3	12 39	17 56	4 51			
M31	21n53	9n52	4s 5	17n59	1s11	7n57	2s12	6n42	1n 4	2n50	1n24	22n46	0s28	0s47	0n44	17n36	1s40	8n39	12s18	7n 0	7n 5	12s37	17n57	4s51			

ASTRODIENST EPHEMERIS for the year 1886
geocentric

JUNE 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 37 36	10 ^{II} 23'02	20 ⁸ 1	27 ⁸ 27	26 ^Y 58	15 ^{II} 55	26 ^{II} 10	7 ⁸ 47	3 ^R 38	25 ⁸ 51	2 ^{II} 46	12 ^R 1	11 ^{II} 55	21 ⁸ 40	16 ^{II} 38	T 1
W 2	16 41 33	11°20'31	3 ^{II} 46	29°26	28° 4	16°18	26°12	7°55	3 ^{II} 37	25°54	2°47	11 ^{II} 50	11°52	21°47	16°43	W 2
T 3	16 45 29	12°17'59	17°51	1 ^{II} 28	29°10	16°42	26°13	8° 2	3°37	25°56	2°49	11°38	11°48	21°54	16°48	T 3
F 4	16 49 26	13°15'27	2 ⁸ 9	3°31	0 ⁸ 17	17° 6	26°15	8° 9	3°36	25°58	2°50	11°27	11°45	22° 0	16°53	F 4
S 5	16 53 22	14°12'53	16°36	5°37	1°24	17°31	26°18	8°17	3°36	26° 0	2°51	11°18	11°42	22° 7	16°59	S 5
S 6	16 57 19	15°10'18	1 ^{II} 5	7°43	2°30	17°56	26°20	8°24	3°36	26° 2	2°53	11°11	11°39	22°14	17° 4	S 6
M 7	17 1 15	16° 7'43	15°31	9°52	3°37	18°21	26°22	8°31	3°35	26° 4	2°54	11° 7	11°36	22°20	17° 9	M 7
T 8	17 5 12	17° 5'06	29°50	12° 1	4°44	18°46	26°25	8°39	3°35	26° 7	2°55	11° 6	11°32	22°27	17°14	T 8
W 9	17 9 9	18° 2'27	13 ^{II} 59	14°12	5°52	19°12	26°28	8°46	3°35	26° 9	2°57	11° 6	11°29	22°34	17°20	W 9
T 10	17 13 5	18°59'48	27°58	16°23	6°59	19°38	26°31	8°54	3°35	26°11	2°58	11° 5	11°26	22°40	17°25	T 10
F 11	17 17 2	19°57'08	11 ^{II} 46	18°35	8° 6	20° 4	26°34	9° 1	3°D35	26°13	2°59	11° 4	11°23	22°47	17°30	F 11
S 12	17 20 58	20°54'27	25°24	20°47	9°14	20°30	26°38	9° 9	3°35	26°15	3° 1	11° 1	11°20	22°53	17°35	S 12
S 13	17 24 55	21°51'44	8 ^{II} 51	22°59	10°22	20°57	26°41	9°16	3°35	26°17	3° 2	10°54	11°17	23° 0	17°41	S 13
M14	17 28 51	22°49'02	22° 7	25°10	11°29	21°24	26°45	9°24	3°35	26°19	3° 3	10°46	11°13	23° 7	17°46	M14
T 15	17 32 48	23°46'18	5 ^{II} 11	27°21	12°37	21°51	26°49	9°31	3°35	26°21	3° 5	10°35	11°10	23°13	17°51	T 15
W16	17 36 44	24°43'34	18° 3	29°32	13°45	22°19	26°53	9°39	3°36	26°23	3° 6	10°22	11° 7	23°20	17°56	W16
T 17	17 40 41	25°40'49	0 ⁸ 42	1 ^{II} 41	14°53	22°47	26°57	9°47	3°36	26°25	3° 7	10°10	11° 4	23°27	18° 2	T 17
F 18	17 44 38	26°38'03	13° 7	3°49	16° 1	23°15	27° 1	9°54	3°36	26°27	3° 8	9°59	11° 1	23°33	18° 7	F 18
S 19	17 48 34	27°35'18	25°19	5°55	17°10	23°43	27° 6	10° 2	3°37	26°29	3°10	9°50	10°58	23°40	18°12	S 19
S 20	17 52 31	28°32'31	7 ^{II} 21	8° 0	18°18	24°11	27°10	10°10	3°37	26°31	3°11	9°43	10°54	23°47	18°17	S 20
M21	17 56 27	29°29'45	19°14	10° 3	19°27	24°40	27°15	10°17	3°38	26°33	3°12	9°39	10°51	23°53	18°23	M21
T 22	18 0 24	0 ⁸ 26'58	1 ^{II} 2	12° 4	20°35	25° 9	27°20	10°25	3°38	26°35	3°13	9°37	10°48	24° 0	18°28	T 22
W23	18 4 20	1°24'12	12°51	14° 3	21°44	25°38	27°25	10°33	3°39	26°37	3°15	9°D37	10°45	24° 7	18°33	W23
T 24	18 8 17	2°21'25	24°43	16° 1	22°53	26° 7	27°31	10°41	3°39	26°39	3°16	9°37	10°42	24°13	18°38	T 24
F 25	18 12 13	3°18'38	6 ^Y 46	17°56	24° 1	26°37	27°36	10°48	3°40	26°41	3°17	9°R37	10°38	24°20	18°43	F 25
S 26	18 16 10	4°15'51	19° 3	19°49	25°10	27° 6	27°41	10°56	3°41	26°43	3°18	9°36	10°35	24°27	18°49	S 26
S 27	18 20 7	5°13'04	1 ^{II} 41	21°40	26°19	27°36	27°47	11° 4	3°42	26°45	3°19	9°33	10°32	24°33	18°54	S 27
M28	18 24 3	6°10'17	14°44	23°29	27°29	28° 6	27°53	11°12	3°43	26°46	3°21	9°28	10°29	24°40	18°59	M28
T 29	18 28 0	7° 7'31	28°12	25°16	28°38	28°37	27°59	11°19	3°44	26°48	3°22	9°20	10°26	24°47	19° 4	T 29
W30	18 31 56	8 ⁸ 4'44	12 ^{II} 7	27 ⁸ 1	29 ⁸ 47	29 ^{II} 7	28 ^{II} 5	11 ⁸ 27	3 ^{II} 44	26 ⁸ 50	3 ^{II} 23	9 ^{II} 12	10 ^{II} 23	24 ⁸ 53	19 ^{II} 9	W30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂	♂	♂	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 1	13n16	4s39	18n37	1s 1	8n20	2s13	6n31	1n 2	2n49	1n24	22n45	0s28	0s46	0n44	17n37	1s40	8n39	12s18	7n 3	7n 6	12s36	17n57	4s51
W 2	22 9	16 2	4 58	19 13	0 50	8 42	2 14	6 20	1 1	2 48	1 24	22 45	0 28	0 46	0 44	17 37	1 40	8 39	12 18	7 8	7 7	12 35	17 58	4 51
T 3	22 17	17 56	4 59	19 49	0 40	9 5	2 15	6 10	0 59	2 47	1 24	22 45	0 28	0 46	0 44	17 38	1 40	8 39	12 18	7 12	7 8	12 33	17 58	4 51
F 4	22 24	18 45	4 42	20 24	0 29	9 27	2 16	5 59	0 58	2 46	1 23	22 44	0 28	0 46	0 44	17 38	1 40	8 40	12 18	7 16	7 9	12 32	17 59	4 51
S 5	22 31	18 21	4 6	20 58	0 18	9 49	2 17	5 48	0 56	2 45	1 23	22 44	0 28	0 46	0 44	17 39	1 40	8 40	12 18	7 20	7 11	12 31	17 59	4 51
S 6	22 38	16 45	3 15	21 30	0 7	10 12	2 18	5 37	0 55	2 44	1 23	22 44	0 28	0 46	0 43	17 39	1 40	8 40	12 18	7 22	7 12	12 29	17 59	4 51
M 7	22 44	14 6	2 11	22 0	0n 4	10 34	2 18	5 25	0 53	2 42	1 23	22 43	0 28	0 46	0 43	17 40	1 40	8 40	12 18	7 24	7 13	12 28	18 0	4 51
T 8	22 49	10 37	0 59	22 29	0 14	10 56	2 19	5 14	0 52	2 41	1 22	22 43	0 27	0 46	0 43	17 40	1 40	8 41	12 18	7 24	7 14	12 26	18 0	4 51
W 9	22 55	6 32	0n15	22 56	0 25	11 18	2 19	5 3	0 50	2 40	1 22	22 42	0 27	0 46	0 43	17 41	1 40	8 41	12 18	7 25	7 16	12 25	18 1	4 51
T 10	23 0	2 9	1 28	23 20	0 35	11 39	2 19	4 51	0 49	2 38	1 22	22 42	0 27	0 46	0 43	17 41	1 40	8 41	12 18	7 25	7 17	12 24	18 1	4 52
F 11	23 4	2s17	2 35	23 42	0 45	12 1	2 19	4 39	0 47	2 37	1 22	22 42	0 27	0 46	0 43	17 42	1 40	8 41	12 18	7 25	7 18	12 22	18 1	4 52
S 12	23 8	6 32	3 32	24 2	0 54	12 22	2 19	4 28	0 46	2 35	1 21	22 41	0 27	0 46	0 43	17 42	1 40	8 41	12 18	7 26	7 19	12 21	18 2	4 52
S 13	23 12	10 25	4 16	24 19	1 3	12 44	2 19	4 16	0 44	2 34	1 21	22 41	0 27	0 46	0 43	17 42	1 40	8 42	12 18	7 29	7 20	12 20	18 2	4 52
M14	23 15	13 42	4 46	24 33	1 11	13 5	2 19	4 4	0 43	2 32	1 21	22 40	0 27	0 46	0 43	17 43	1 40	8 42	12 18	7 32	7 22	12 18	18 3	4 52
T 15	23 18	16 15	5 0	24 44	1 19	13 26	2 19	3 52	0 41	2 30	1 21	22 40	0 27	0 46	0 43	17 43	1 40	8 42	12 18	7 36	7 23	12 17	18 3	4 52
W16	23 21	17 57	4 59	24 53	1 26	13 46	2 19	3 40	0 40	2 28	1 21	22 39	0 27	0 46	0 43	17 44	1 40	8 42	12 18	7 41	7 24	12 16	18 3	4 52
T 17	23 23	18 44	4 42	24 58	1 32	14 7	2 18	3 28	0 39	2 27	1 20	22 39	0 27	0 46	0 43	17 44	1 40	8 42	12 18	7 46	7 25	12 14	18 4	4 52
F 18	23 25	18 36	4 13	25 1	1 38	14 27	2 18	3 15	0 37	2 25	1 20	22 39	0 26	0 47	0 43	17 45	1 40	8 43	12 18	7 50	7 26	12 13	18 4	4 52
S 19	23 26	17 36	3 32	25 1	1 42	14 47	2 17	3 3	0 36	2 23	1 20	22 38	0 26	0 47	0 43	17 45	1 40	8 42	12 18	7 53	7 28	12 11	18 4	4 53
S 20	23 27	15 49	2 43	24 59	1 47	15 6	2 16	2 50	0 35	2 21	1 20	22 38	0 26	0 47	0 43	17 46	1 40	8 43	12 18	7 56	7 29	12 10	18 4	4 53
M21	23 27	13 23	1 46	24 54	1 50	15 26	2 15	2 38	0 33	2 18	1 19	22 37	0 26	0 47	0 43	17 46	1 40	8 43	12 18	7 57	7 30	12 9	18 5	4 53
T 22	23 27	10 24	0 46	24 46	1 53	15 45	2 14	2 25	0 32	2 16	1 19	22 37	0 26	0 48	0 43	17 46	1 40	8 43	12 19	7 58	7 31	12 7	18 5	4 53
W23	23 27	7 0	0s17	24 36	1 54	16 4	2 13	2 12	0 31	2 14	1 19	22 36	0 26	0 48	0 43	17 47	1 40	8 43	12 19	7 58	7 32	12 6	18 5	4 53
T 24	23 26	3 19	1 20	24 24	1 56	16 22	2 12	2 0	0 29	2 12	1 19	22 36	0 26	0 48	0 43	17 47	1 40	8 43	12 19	7 58	7 34	12 4	18 6	4 53
F 25	23 25	0n33	2 20	24 10	1 56	16 40	2 11	1 47	0 28	2 9	1 19	22 35	0 26	0 48	0 43	17 48	1 40	8 43	12 19	7 58	7 35	12 3	18 6	4 54
S 26	23 23	4 28	3 14	23 54	1 56	16 58	2 10	1 34	0 27	2 7	1 18	22 34	0 26	0 49	0 43	17 48	1 40	8 44	12 19	7 58	7 36	12 2	18 6	4 54
S 27	23 21	8 18	4 1	23 36	1 55	17 15	2 8	1 21	0 26	2 4	1 18	22 34	0 26	0 49	0 43	17 48	1 41	8 44	12 19	8 0	7 37	12 0	18 6	4 54
M28	23 18	11 51	4 37	23 16	1 53	17 33	2 7	1 7	0 24	2 2	1 18	22 33	0 25	0 50	0 43	17 49	1 41	8 44	12 19	8 2	7 38	11 59	18 7	4 54
T 29	23 16	14 55	4 59	22 55	1 51	17 49	2 6	0 54	0 23	1 59	1 18	22 33	0 25	0 50	0 42	17 49	1 41	8 44	12 19	8 4	7 40	11 57	18 7	4 54
W30	23n12	17n14	5s 4	22n32	1n48	18n 6	2s 4	0n41	0n22	1n57	1n17	22n32	0s25	0s50	0n42	17n50	1s41	8n44	12s19	8n 8	7n41	11s56	18n 7	4s54

ASTRODIENST EPHEMERIS for the year 1886
geocentric

JULY 1886

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	18 35 53	9 ⁵⁸ 1'58	26 ¹¹ 27	28 ⁵⁴ 43	0 ¹¹ 57	29 ¹¹ 38	28 ¹¹ 11	11 ⁵⁸ 35	3 ⁴⁶ 46	26 ⁵² 52	3 ¹¹ 24	9 ¹⁰ 2	10 ¹¹ 19	25 ²⁸ 0	19 ¹¹ 14	T 1
F 2	18 39 49	9 ⁵⁹ 1'11	11 ⁵⁸ 4	0 ¹² 24	2 ⁶ 6	0 ¹² 9	28 ¹⁸ 18	11 ⁴³ 43	3 ⁴⁷ 47	26 ⁵⁴ 54	3 ²⁵ 25	8 ¹¹ 53	10 ¹⁶ 16	25 ⁶ 6	19 ¹⁹ 19	F 2
S 3	18 43 46	10 ⁵⁶ 2'5	25 ⁵⁴ 4	2 ² 2	3 ¹⁶ 16	0 ⁴⁰ 40	28 ²⁴ 24	11 ⁵¹ 51	3 ⁴⁸ 48	26 ⁵⁵ 55	3 ²⁶ 26	8 ⁴⁶ 46	10 ¹³ 13	25 ¹³ 13	19 ²⁴ 24	S 3
S 4	18 47 42	11 ⁵³ 3'38	10 ¹² 46	3 ³⁸ 38	4 ²⁵ 25	1 ¹² 12	28 ³¹ 31	11 ⁵⁸ 58	3 ⁴⁹ 49	26 ⁵⁷ 57	3 ²⁷ 27	8 ⁴¹ 41	10 ¹⁰ 10	25 ²⁰ 20	19 ²⁹ 29	S 4
M 5	18 51 39	12 ⁵⁰ 5'52	25 ³³ 52	5 ¹² 52	5 ³⁵ 35	1 ⁴³ 43	28 ³⁸ 38	12 ⁶ 6	3 ⁵⁰ 50	26 ⁵⁹ 59	3 ²⁹ 29	8 ³⁸ 38	10 ⁷ 7	25 ²⁶ 26	19 ³⁴ 34	M 5
T 6	18 55 36	13 ⁴⁸ 0'5	10 ¹¹ 10	6 ⁴⁴ 44	6 ⁴⁵ 45	2 ¹⁵ 15	28 ⁴⁵ 45	12 ¹⁴ 14	3 ⁵¹ 51	27 ⁰ 0	3 ³⁰ 30	8 ³⁸ 38	10 ⁴ 4	25 ³³ 33	19 ³⁹ 39	T 6
W 7	18 59 32	14 ⁴⁵ 1'7	24 ³¹ 31	8 ¹³ 13	7 ⁵⁴ 54	2 ⁴⁷ 47	28 ⁵² 52	12 ²² 22	3 ⁵³ 53	27 ² 2	3 ³¹ 31	8 ³⁸ 38	10 ⁰ 0	25 ⁴⁰ 40	19 ⁴⁴ 44	W 7
T 8	19 3 29	15 ⁴² 3'30	8 ⁴³ 34	9 ⁴¹ 41	9 ⁴ 4	3 ¹⁹ 19	28 ⁵⁹ 59	12 ³⁰ 30	3 ⁵⁴ 54	27 ⁴ 4	3 ³² 32	8 ³⁹ 39	9 ⁵⁷ 57	25 ⁴⁶ 46	19 ⁴⁹ 49	T 8
F 9	19 7 25	16 ³⁹ 3'43	22 ²⁰ 20	11 ⁶ 6	10 ¹⁴ 14	3 ⁵¹ 51	29 ⁶ 6	12 ³⁷ 37	3 ⁵⁶ 56	27 ⁵ 5	3 ³³ 33	8 ³⁹ 39	9 ⁵⁴ 54	25 ⁵³ 53	19 ⁵⁴ 54	F 9
S 10	19 11 22	17 ³⁶ 5'5	5 ¹¹ 49	12 ²⁹ 29	11 ²⁴ 24	4 ²³ 23	29 ¹⁴ 14	12 ⁴⁵ 45	3 ⁵⁷ 57	27 ⁷ 7	3 ³⁴ 34	8 ³⁸ 38	9 ⁵¹ 51	26 ⁰ 0	19 ⁵⁹ 59	S 10
S 11	19 15 18	18 ³⁴ 0'7	19 ² 2	13 ⁴⁹ 49	12 ³⁴ 34	4 ⁵⁶ 56	29 ²¹ 21	12 ⁵³ 53	3 ⁵⁹ 59	27 ⁹ 9	3 ³⁵ 35	8 ³⁴ 34	9 ⁴⁸ 48	26 ⁶ 6	20 ⁴ 4	S 11
M 12	19 19 15	19 ³¹ 1'20	2 ¹ 1	15 ⁷ 7	13 ⁴⁵ 45	5 ²⁹ 29	29 ²⁹ 29	13 ¹ 1	4 ⁰ 0	27 ¹⁰ 10	3 ³⁶ 36	8 ²⁸ 28	9 ⁴⁴ 44	26 ¹³ 13	20 ⁸ 8	M 12
T 13	19 23 11	20 ²⁸ 2'32	14 ⁴⁶ 46	16 ²³ 23	14 ⁵⁵ 55	6 ² 2	29 ³⁷ 37	13 ⁹ 9	4 ² 2	27 ¹² 12	3 ³⁷ 37	8 ²¹ 21	9 ⁴¹ 41	26 ²⁰ 20	20 ¹³ 13	T 13
W 14	19 27 8	21 ²⁵ 4'5	27 ¹⁹ 19	17 ³⁷ 37	16 ⁵ 5	6 ³⁵ 35	29 ⁴⁵ 45	13 ¹⁶ 16	4 ³ 3	27 ¹³ 13	3 ³⁸ 38	8 ¹³ 13	9 ³⁸ 38	26 ²⁶ 26	20 ¹⁸ 18	W 14
T 15	19 31 5	22 ²² 5'8	9 ⁴¹ 41	18 ⁴⁷ 47	17 ¹⁶ 16	7 ⁸ 8	29 ⁵³ 53	13 ²⁴ 24	4 ⁵ 5	27 ¹⁵ 15	3 ³⁹ 39	8 ⁵ 5	9 ³⁵ 35	26 ³³ 33	20 ²³ 23	T 15
F 16	19 35 1	23 ²⁰ 1'11	21 ⁵² 52	19 ⁵⁶ 56	18 ²⁶ 26	7 ⁴¹ 41	0 ¹ 1	13 ³² 32	4 ⁷ 7	27 ¹⁶ 16	3 ⁴⁰ 40	7 ⁵⁷ 57	9 ³² 32	26 ⁴⁰ 40	20 ²⁷ 27	F 16
S 17	19 38 58	24 ¹⁷ 2'5	3 ⁵⁵ 55	21 ¹ 1	19 ³⁷ 37	8 ¹⁵ 15	0 ⁹ 9	13 ⁴⁰ 40	4 ⁹ 9	27 ¹⁷ 17	3 ⁴¹ 41	7 ⁵¹ 51	9 ²⁹ 29	26 ⁴⁶ 46	20 ³² 32	S 17
S 18	19 42 54	25 ¹⁴ 3'9	15 ⁵⁰ 50	22 ⁴ 4	20 ⁴⁷ 47	8 ⁴⁸ 48	0 ¹⁸ 18	13 ⁴⁷ 47	4 ¹¹ 11	27 ¹⁹ 19	3 ⁴² 42	7 ⁴⁷ 47	9 ²⁵ 25	26 ⁵³ 53	20 ³⁷ 37	S 18
M 19	19 46 51	26 ¹¹ 5'4	27 ³⁹ 39	23 ⁴ 4	21 ⁵⁸ 58	9 ²² 22	0 ²⁶ 26	13 ⁵⁵ 55	4 ¹³ 13	27 ²⁰ 20	3 ⁴² 42	7 ⁴⁴ 44	9 ²² 22	27 ⁰ 0	20 ⁴¹ 41	M 19
T 20	19 50 47	27 ⁹ 9'09	9 ¹ 26	24 ¹ 1	23 ⁹ 9	9 ⁵⁶ 56	0 ³⁵ 35	14 ³ 3	4 ¹⁵ 15	27 ²¹ 21	3 ⁴³ 43	7 ⁴⁴ 44	9 ¹⁹ 19	27 ⁶ 6	20 ⁴⁶ 46	T 20
W 21	19 54 44	28 ⁶ 2'25	21 ¹⁴ 14	24 ⁵⁵ 55	24 ¹⁹ 19	10 ³⁰ 30	0 ⁴⁴ 44	14 ¹⁰ 10	4 ¹⁷ 17	27 ²³ 23	3 ⁴⁴ 44	7 ⁴⁵ 45	9 ¹⁶ 16	27 ¹³ 13	20 ⁵⁰ 50	W 21
T 22	19 58 40	29 ³ 3'42	3 ⁷ 7	25 ⁴⁶ 46	25 ³⁰ 30	11 ⁴ 4	0 ⁵³ 53	14 ¹⁸ 18	4 ¹⁹ 19	27 ²⁴ 24	3 ⁴⁵ 45	7 ⁴⁶ 46	9 ¹³ 13	27 ¹⁹ 19	20 ⁵⁵ 55	T 22
F 23	20 2 37	0 ¹ 1'00	15 ⁹ 9	26 ³³ 33	26 ⁴¹ 41	11 ³⁹ 39	1 ¹ 1	14 ²⁵ 25	4 ²¹ 21	27 ²⁵ 25	3 ⁴⁶ 46	7 ⁴⁸ 48	9 ¹⁰ 10	27 ²⁶ 26	20 ⁵⁹ 59	F 23
S 24	20 6 34	0 ⁵⁸ 1'8	27 ²⁶ 26	27 ¹⁷ 17	27 ⁵² 52	12 ¹³ 13	1 ¹¹ 11	14 ³³ 33	4 ²³ 23	27 ²⁷ 27	3 ⁴⁷ 47	7 ⁴⁹ 49	9 ⁶ 6	27 ³³ 33	21 ⁴ 4	S 24
S 25	20 10 30	1 ⁵⁵ 3'38	10 ¹ 8	27 ⁵⁷ 57	29 ³ 3	12 ⁴⁸ 48	1 ²⁰ 20	14 ⁴¹ 41	4 ²⁵ 25	27 ²⁸ 28	3 ⁴⁸ 48	7 ⁴⁸ 48	9 ³ 3	27 ³⁹ 39	21 ⁸ 8	S 25
M 26	20 14 27	2 ⁵² 5'58	23 ² 2	28 ³⁴ 34	0 ¹⁵ 15	13 ²³ 23	1 ²⁹ 29	14 ⁴⁸ 48	4 ²⁷ 27	27 ²⁹ 29	3 ⁴⁸ 48	7 ⁴⁷ 47	9 ⁰ 0	27 ⁴⁶ 46	21 ¹³ 13	M 26
T 27	20 18 23	3 ⁵⁰ 2'20	6 ¹¹ 28	29 ⁶ 6	1 ²⁶ 26	13 ⁵⁸ 58	1 ³⁸ 38	14 ⁵⁶ 56	4 ²⁹ 29	27 ³⁰ 30	3 ⁴⁹ 49	7 ⁴⁴ 44	8 ⁵⁷ 57	27 ⁵³ 53	21 ¹⁷ 17	T 27
W 28	20 22 20	4 ⁴⁷ 4'2	20 ²³ 23	29 ³⁵ 35	2 ³⁷ 37	14 ³³ 33	1 ⁴⁸ 48	15 ³ 3	4 ³² 32	27 ³¹ 31	3 ⁵⁰ 50	7 ⁴⁰ 40	8 ⁵⁴ 54	27 ⁵⁹ 59	21 ²¹ 21	W 28
T 29	20 26 16	5 ⁴⁵ 0'6	4 ⁴⁴ 44	29 ⁵⁹ 59	3 ⁴⁸ 48	15 ⁸ 8	1 ⁵⁷ 57	15 ¹¹ 11	4 ³⁴ 34	27 ³² 32	3 ⁵¹ 51	7 ³⁵ 35	8 ⁵⁰ 50	28 ⁶ 6	21 ²⁵ 25	T 29
F 30	20 30 13	6 ⁴² 3'1	19 ²⁸ 28	0 ¹¹ 18	5 ⁰ 0	15 ⁴⁴ 44	2 ⁷ 7	15 ¹⁸ 18	4 ³⁷ 37	27 ³³ 33	3 ⁵¹ 51	7 ³¹ 31	8 ⁴⁷ 47	28 ¹³ 13	21 ³⁰ 30	F 30
S 31	20 34 9	7 ¹ 39'56	4 ¹ 28	0 ¹¹ 33	6 ¹¹ 11	16 ¹ 19	2 ¹ 17	15 ²⁶ 26	4 ³⁹ 39	27 ³⁴ 34	3 ⁵² 52	7 ¹ 27	8 ¹ 44	28 ¹⁹ 19	21 ³⁴ 34	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	lat	decl	lat	decl	lat
T 1	23n 9	18n33	4s51	22n 8	1n45	18n22	2s 2	0n28	0n21	1n54	1n17	22n32	0s25	0s51	0n42	17n50	1s41	8n44	12s19	8n11	7n42	11s55	18n 7	4s55			
F 2	23 5	18 42	4 18	21 43	1 40	18 37	2 1	0 14	0 19	1 51	1 17	22 31	0 25	0 51	0 42	17 50	1 41	8 44	12 20	8 14	7 43	11 53	18 7	4 55			
S 3	23 0	17 34	3 28	21 16	1 36	18 52	1 59	0 1	0 18	1 49	1 17	22 30	0 25	0 52	0 42	17 51	1 41	8 44	12 20	8 17	7 44	11 52	18 8	4 55			
S 4	22 55	15 14	2 24	20 49	1 30	19 7	1 57	0s13	0 17	1 46	1 17	22 30	0 25	0 52	0 42	17 51	1 41	8 44	12 20	8 19	7 46	11 50	18 8	4 55			
M 5	22 50	11 55	1 10	20 21	1 25	19 21	1 55	0 26	0 16	1 43	1 16	22 29	0 25	0 53	0 42	17 51	1 41	8 44	12 20	8 20	7 47	11 49	18 8	4 56			
T 6	22 44	7 53	0n 8	19 52	1 18	19 35	1 53	0 40	0 15	1 40	1 16	22 29	0 25	0 53	0 42	17 52	1 41	8 44	12 20	8 20	7 48	11 48	18 8	4 56			
W 7	22 38	3 28	1 24	19 22	1 11	19 49	1 51	0 54	0 14	1 37	1 16	22 28	0 25	0 54	0 42	17 52	1 41	8 44	12 20	8 20	7 49	11 46	18 8	4 56			
T 8	22 32	1s 3	2 34	18 52	1 4	20 2	1 49	1 7	0 13	1 34	1 16	22 27	0 25	0 54	0 42	17 52	1 41	8 44	12 20	8 20	7 50	11 45	18 8	4 56			
F 9	22 25	5 24	3 33	18 21	0 56	20 14	1 47	1 21	0 11	1 31	1 16	22 27	0 25	0 55	0 42	17 53	1 41	8 45	12 20	8 20	7 52	11 43	18 8	4 56			
S 10	22 17	9 23	4 19	17 50	0 48	20 26	1 45	1 35	0 10	1 28	1 15	22 26	0 24	0 56	0 42	17 53	1 41	8 45	12 21	8 20	7 53	11 42	18 8	4 57			
S 11	22 10	12 50	4 50	17 19	0 39	20 37	1 42	1 49	0 9	1 24	1 15	22 25	0 24	0 56	0 42	17 53	1 41	8 45	12 21	8 22	7 54	11 40	18 9	4 57			
M12	22 2	15 35	5 6	16 47	0 30	20 48	1 40	2 3	0 8	1 21	1 15	22 25	0 24	0 57	0 42	17 54	1 41	8 45	12 21	8 24	7 55	11 39	18 9	4 57			
T 13	21 53	17 31	5 6	16 15	0 20	20 59	1 38	2 17	0 7	1 18	1 15	22 24	0 24	0 58	0 42	17 54	1 41	8 45	12 21	8 27	7 56	11 38	18 9	4 57			
W14	21 45	18 35	4 51	15 44	0 10	21 9	1 35	2 31	0 6	1 14	1 15	22 23	0 24	0 58	0 42	17 54	1 41	8 45	12 21	8 30	7 58	11 36	18 9	4 58			
T 15	21 36	18 44	4 23	15 12	0 0	21 18	1 33	2 45	0 5	1 11	1 14	22 23	0 24	0 59	0 42	17 55	1 41	8 45	12 21	8 33	7 59	11 35	18 9	4 58			
F 16	21 26	18 1	3 43	14 41	0s11	21 27	1 30	2 59	0 4	1 8	1 14	22 22	0 24	1 0	0 42	17 55	1 41	8 45	12 22	8 35	8 0	11 33	18 9	4 58			
S 17	21 16	16 29	2 53	14 9	0 22	21 35	1 28	3 14	0 3	1 4	1 14	22 21	0 24	1 1	0 42	17 55	1 41	8 45	12 22	8 38	8 1	11 32	18 9	4 59			
S 18	21 6	14 15	1 56	13 39	0 33	21 43	1 25	3 28	0 2	1 1	1 14	22 21	0 24	1 1	0 42	17 55	1 41	8 45	12 22	8 39	8 2	11 30	18 9	4 59			
M19	20 55	11 26	0 55	13 8	0 44	21 50	1 22	3 42	0 1	0 57	1 14	22 20	0 24	1 2	0 42	17 56	1 41	8 45	12 22	8 40	8 4	11 29	18 9	4 59			
T 20	20 44	8 11	0s 9	12 38	0 56	21 57	1 20	3 56	0s 0	0 54	1 14	22 19	0 24	1 3	0 42	17 56	1 41	8 45	12 22	8 40	8 5	11 27	18 9	4 59			
W21	20 33	4 36	1 13	12 9	1 8	22 3	1 17	4 11	0 1	0 50	1 13	22 18	0 24	1 4	0 42	17 56	1 41	8 45	12 22	8 40	8 6	11 26	18 9	5 0			
T 22	20 21	0 49	2 14	11 40	1 21	22 8	1 14	4 25	0 2	0 46	1 13	22 18	0 23	1 5	0 42	17 56	1 42	8 45	12 23	8 40	8 7	11 25	18 9	5 0			
F 23	20 9	3n 3	3 10	11 13	1 33	22 13	1 12	4 39	0 3	0 42	1 13	22 17	0 23	1 6	0 42	17 57	1 42	8 45	12 23	8 39	8 8	11 23	18 9	5 0			
S 24	19 57	6 51	3 59	10 46	1 46	22 17	1 9	4 54	0 4	0 39	1 13	22 16	0 23	1 6	0 41	17 57	1 42	8 45	12 23	8 39	8 10	11 22	18 9	5 1			
S 25	19 44	10 27	4 37	10 20	1 59	22 21	1 6	5 8	0 5	0 35	1 13	22 15	0 23	1 7	0 41	17 57	1 42	8 45	12 23	8 39	8 11	11 20	18 9	5 1			
M26	19 31	13 40	5 2	9 55	2 12	22 24	1 3	5 23	0 6	0 31	1 12	22 15	0 23	1 8	0 41	17 57	1 42	8 44	12 23	8 39	8 12	11 19	18 9	5 1			
T 27	19 18	16 16	5 13	9 32	2 24	22 26	1 0	5 37	0 7	0 27	1 12	22 14	0 23	1 9	0 41	17 58	1 42	8 44	12 23	8 41	8 13	11 17	18 9	5 2			
W28	19 5	18 2	5 5	9 10	2 37	22 28	0 57	5 52	0 8	0 23	1 12	22 13	0 23	1 10	0 41	17 58	1 42	8 44	12 24	8 42	8 14	11 16	18 9	5 2			
T 29	18 51	18 44	4 39	8 50	2 50	22 29	0 55	6 6	0 9	0 19	1 12	22 12	0 23	1 11	0 41	17 58	1 42	8 44	12 24	8 44	8 16	11 14	18 9	5 2			
F 30	18 36	18 12	3 53	8 31	3 3	22 30	0 52	6 21	0 10	0 15	1 12	22 12	0 23	1 12	0 41	17 58	1 42	8 44	12 24	8 45	8 17	11 13	18 9	5 3			
S 31	18n22	16n23	2s51	8n14	3s15	22n30	0s49	6s35	0s11	0n11	1n12	22n11	0s23	1s13	0n41	17n58	1s42	8n44	12s24	8n47	8n18	11s11	18n 8	5s 3			

ASTRODIENST EPHEMERIS for the year 1886

geocentric

AUGUST 1886

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 38 6	8♂3723	19♂35	0♂43	7♂23	16♂55	2♂27	15♂33	4♂41	27♂35	3♂53	7°R25	8♂41	28♂26	21♂38	S 1
M 2	20 42 3	9°34'50	4♂41	0°R48	8°34	17°31	2°36	15°40	4°44	27°36	3°53	7°D24	8°38	28°33	21°42	M 2
T 3	20 45 59	10°32'18	19°36	0°48	9°46	18° 7	2°46	15°48	4°46	27°37	3°54	7♂24	8°35	28°39	21°46	T 3
W 4	20 49 56	11°29'47	4♂13	0°43	10°58	18°43	2°57	15°55	4°49	27°38	3°55	7°25	8°31	28°46	21°50	W 4
T 5	20 53 52	12°27'16	18°29	0°32	12°10	19°19	3° 7	16° 2	4°52	27°39	3°55	7°27	8°28	28°53	21°54	T 5
F 6	20 57 49	13°24'46	2♂22	0°16	13°21	19°55	3°17	16°10	4°54	27°40	3°56	7°28	8°25	28°59	21°58	F 6
S 7	21 1 45	14°22'17	15°52	29♂55	14°33	20°32	3°27	16°17	4°57	27°41	3°56	7°R28	8°22	29° 6	22° 2	S 7
S 8	21 5 42	15°19'49	29° 0	29°28	15°45	21° 8	3°38	16°24	5° 0	27°41	3°57	7°27	8°19	29°12	22° 5	S 8
M 9	21 9 38	16°17'22	11♂50	28°57	16°57	21°45	3°48	16°31	5° 3	27°42	3°57	7°26	8°16	29°19	22° 9	M 9
T 10	21 13 35	17°14'55	24°23	28°21	18° 9	22°22	3°59	16°38	5° 5	27°43	3°58	7°23	8°12	29°26	22°13	T 10
W11	21 17 32	18°12'30	6♂42	27°41	19°21	22°59	4°10	16°45	5° 8	27°44	3°58	7°21	8° 9	29°32	22°16	W11
T 12	21 21 28	19°10'05	18°51	26°57	20°34	23°36	4°20	16°52	5°11	27°44	3°59	7°18	8° 6	29°39	22°20	T 12
F 13	21 25 25	20° 7'42	0♂51	26°10	21°46	24°13	4°31	16°59	5°14	27°45	3°59	7°15	8° 3	29°46	22°23	F 13
S 14	21 29 21	21° 5'20	12°45	25°21	22°58	24°50	4°42	17° 6	5°17	27°46	4° 0	7°13	8° 0	29°52	22°27	S 14
S 15	21 33 18	22° 2'59	24°35	24°30	24°10	25°28	4°53	17°13	5°20	27°46	4° 0	7°12	7°56	29°59	22°30	S 15
M16	21 37 14	23° 0'39	6♂22	23°39	25°23	26° 5	5° 4	17°20	5°23	27°47	4° 1	7°D12	7°53	0♂6	22°34	M16
T 17	21 41 11	23°58'20	18°10	22°48	26°35	26°43	5°15	17°27	5°26	27°47	4° 1	7°12	7°50	0°12	22°37	T 17
W18	21 45 7	24°56'03	0♂1	21°59	27°48	27°21	5°26	17°34	5°29	27°48	4° 1	7°13	7°47	0°19	22°40	W18
T 19	21 49 4	25°53'48	11°58	21°13	29° 0	27°58	5°38	17°40	5°32	27°48	4° 2	7°14	7°44	0°26	22°43	T 19
F 20	21 53 0	26°51'34	24° 4	20°30	0♂13	28°36	5°49	17°47	5°35	27°48	4° 2	7°15	7°41	0°32	22°46	F 20
S 21	21 56 57	27°49'22	6♂23	19°51	1°26	29°14	6° 0	17°54	5°38	27°49	4° 2	7°16	7°37	0°39	22°49	S 21
S 22	22 0 54	28°47'11	18°59	19°18	2°38	29°53	6°12	18° 0	5°42	27°49	4° 3	7°16	7°34	0°46	22°52	S 22
M23	22 4 50	29°45'02	1♂56	18°51	3°51	0♂31	6°23	18° 7	5°45	27°49	4° 3	7°R16	7°31	0°52	22°55	M23
T 24	22 8 47	0♂42'55	15°16	18°30	5° 4	1° 9	6°35	18°13	5°48	27°50	4° 3	7°16	7°28	0°59	22°58	T 24
W25	22 12 43	1°40'50	29° 1	18°17	6°17	1°48	6°46	18°20	5°51	27°50	4° 3	7°16	7°25	1° 5	23° 1	W25
T 26	22 16 40	2°38'47	13♂14	18°D12	7°30	2°26	6°58	18°26	5°55	27°50	4° 3	7°15	7°21	1°12	23° 4	T 26
F 27	22 20 36	3°36'46	27°50	18°14	8°43	3° 5	7°10	18°32	5°58	27°50	4° 4	7°15	7°18	1°19	23° 7	F 27
S 28	22 24 33	4°34'46	12♂46	18°25	9°56	3°44	7°22	18°39	6° 1	27°50	4° 4	7°14	7°15	1°25	23° 9	S 28
S 29	22 28 29	5°32'48	27°54	18°44	11° 9	4°23	7°34	18°45	6° 5	27°50	4° 4	7°14	7°12	1°32	23°12	S 29
M30	22 32 26	6°30'51	13♂5	19°11	12°22	5° 2	7°45	18°51	6° 8	27°51	4° 4	7°D14	7° 9	1°39	23°14	M30
T 31	22 36 23	7♂28'57	28♂11	19♂47	13♂36	5♂41	7♂57	18♂57	6♂12	27°R51	4♂4	7°R14	7♂6	1♂45	23♂17	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	18n 7	13n26	1s36	8n 0	3s27	22n29	0s46	6s50	0s12	0n 7	1n12	22n10	0s23	1s14	0n41	17n59
M 2	17 52	9 34	0 15	7 47	3 39	22 28	0 43	7 4	0 12	0 3	1 11	22 9	0 23	1 15	0 41	17 59
T 3	17 36	5 9	1n 7	7 36	3 50	22 26	0 40	7 19	0 13	0s 1	1 11	22 9	0 23	1 16	0 41	17 59
W 4	17 21	0 30	2 22	7 28	4 1	22 23	0 37	7 33	0 14	0 5	1 11	22 8	0 23	1 17	0 41	17 59
T 5	17 5	4s 3	3 27	7 23	4 11	22 20	0 34	7 48	0 15	0 9	1 11	22 7	0 22	1 18	0 41	17 59
F 6	16 48	8 15	4 18	7 20	4 20	22 16	0 31	8 2	0 16	0 13	1 11	22 6	0 22	1 19	0 41	17 59
S 7	16 32	11 55	4 53	7 19	4 28	22 12	0 28	8 17	0 17	0 18	1 11	22 5	0 22	1 20	0 41	17 59
S 8	16 15	14 52	5 12	7 22	4 35	22 6	0 25	8 32	0 18	0 22	1 11	22 5	0 22	1 22	0 41	18 0
M 9	15 58	17 1	5 14	7 27	4 41	22 1	0 22	8 46	0 19	0 26	1 10	22 4	0 22	1 23	0 41	18 0
T 10	15 40	18 18	5 2	7 36	4 45	21 54	0 19	9 1	0 19	0 31	1 10	22 3	0 22	1 24	0 41	18 0
W11	15 23	18 42	4 35	7 47	4 48	21 47	0 16	9 15	0 20	0 35	1 10	22 2	0 22	1 25	0 41	18 0
T 12	15 5	18 13	3 57	8 0	4 49	21 40	0 13	9 30	0 21	0 39	1 10	22 1	0 22	1 26	0 41	18 0
F 13	14 47	16 55	3 8	8 16	4 48	21 31	0 10	9 44	0 22	0 44	1 10	22 1	0 22	1 27	0 41	18 0
S 14	14 29	14 54	2 11	8 35	4 46	21 22	0 7	9 59	0 23	0 48	1 10	22 0	0 22	1 29	0 41	18 0
S 15	14 10	12 15	1 9	8 56	4 42	21 13	0 5	10 13	0 24	0 53	1 10	21 59	0 22	1 30	0 41	18 0
M16	13 51	9 6	0 5	9 18	4 35	21 3	0 2	10 27	0 24	0 57	1 9	21 58	0 22	1 31	0 41	18 0
T 17	13 32	5 36	1s 1	9 42	4 27	20 52	0n 1	10 42	0 25	1 2	1 9	21 57	0 22	1 32	0 41	18 0
W18	13 13	1 53	2 3	10 7	4 17	20 41	0 4	10 56	0 26	1 6	1 9	21 56	0 22	1 33	0 41	18 0
T 19	12 54	1n57	3 1	10 33	4 6	20 29	0 7	11 10	0 27	1 11	1 9	21 56	0 22	1 35	0 41	18 0
F 20	12 34	5 45	3 52	10 59	3 53	20 16	0 10	11 25	0 27	1 15	1 9	21 55	0 21	1 36	0 41	18 0
S 21	12 14	9 21	4 33	11 25	3 38	20 3	0 12	11 39	0 28	1 20	1 9	21 54	0 21	1 37	0 41	18 1
S 22	11 54	12 38	5 2	11 50	3 23	19 50	0 15	11 53	0 29	1 25	1 9	21 53	0 21	1 39	0 41	18 1
M23	11 34	15 23	5 16	12 14	3 6	19 35	0 18	12 7	0 30	1 29	1 9	21 52	0 21	1 40	0 41	18 1
T 24	11 14	17 25	5 15	12 37	2 48	19 21	0 21	12 21	0 30	1 34	1 9	21 52	0 21	1 41	0 41	18 1
W25	10 53	18 32	4 55	12 58	2 31	19 5	0 23	12 36	0 31	1 39	1 8	21 51	0 21	1 42	0 40	18 1
T 26	10 32	18 31	4 17	13 17	2 12	18 49	0 26	12 50	0 32	1 43	1 8	21 50	0 21	1 44	0 40	18 1
F 27	10 11	17 18	3 22	13 34	1 54	18 33	0 28	13 4	0 33	1 48	1 8	21 49	0 21	1 45	0 40	18 1
S 28	9 50	14 53	2 12	13 48	1 35	18 16	0 31	13 18	0 33	1 53	1 8	21 48	0 21	1 46	0 40	18 0
S 29	9 29	11 24	0 52	14 0	1 17	17 58	0 33	13 31	0 34	1 58	1 8	21 48	0 21	1 48	0 40	18 0
M30	9 8	7 9	0n33	14 8	0 59	17 40	0 36	13 45	0 35	2 2	1 8	21 47	0 21	1 49	0 40	18 0
T 31	8n46	2n28	1n54	14n14	0s42	17n22	0n38	13s59	0s35	2s 7	1n 8	21n46	0s21	1s51	0n40	18n 0

Julian Day Number = 2410119.5, Delta T = -4.24 sec
 Ecliptic obliquity = 23°27'06, Nutation = - 0°00'05, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°09'23, Lahiri = 22°16'23

ASTRODIENST EPHEMERIS for the year 1886
geocentric

SEPTEMBER 1886

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 40 19	8♍27°03	13♌1	20♌30	14♌49	6♍21	8♌9	19♍3	6♌15	27°R51	4♍4	7°R14	7♍2	1♋52	23♍19	W 1
T 2	22 44 16	9°25'11	27°30	21°21	16°2	7°0	8°22	19°9	6°18	27♌51	4°4	7♍14	6°59	1°59	23°21	T 2
F 3	22 48 12	10°23'21	11♍34	22°20	17°16	7°39	8°34	19°15	6°22	27°50	4°R4	7°14	6°56	2°5	23°24	F 3
S 4	22 52 9	11°21'32	25°12	23°25	18°29	8°19	8°46	19°21	6°25	27°50	4°4	7°13	6°53	2°12	23°26	S 4
S 5	22 56 5	12°19'45	8♌23	24°37	19°42	8°59	8°58	19°26	6°29	27°50	4°4	7°D13	6°50	2°19	23°28	S 5
M 6	23 0 2	13°17'59	21°11	25°55	20°56	9°38	9°10	19°32	6°33	27°50	4°4	7°13	6°47	2°25	23°30	M 6
T 7	23 3 58	14°16'15	3♌39	27°19	22°9	10°18	9°23	19°38	6°36	27°50	4°4	7°14	6°43	2°32	23°32	T 7
W 8	23 7 55	15°14'32	15°52	28°48	23°23	10°58	9°35	19°43	6°40	27°50	4°4	7°14	6°40	2°38	23°34	W 8
T 9	23 11 52	16°12'50	27°53	0♍21	24°37	11°38	9°47	19°49	6°43	27°49	4°4	7°15	6°37	2°45	23°35	T 9
F 10	23 15 48	17°11'11	9♌46	1°58	25°50	12°19	10°0	19°54	6°47	27°49	4°4	7°16	6°34	2°52	23°37	F 10
S 11	23 19 45	18°9'33	21°35	3°39	27°4	12°59	10°12	19°59	6°51	27°49	4°4	7°17	6°31	2°58	23°39	S 11
S 12	23 23 41	19°7'56	3♋23	5°22	28°18	13°39	10°25	20°5	6°54	27°48	4°3	7°R17	6°27	3°5	23°40	S 12
M13	23 27 38	20°6'22	15°11	7°8	29°32	14°20	10°37	20°10	6°58	27°48	4°3	7°17	6°24	3°12	23°42	M13
T 14	23 31 34	21°4'49	27°4	8°56	0♍46	15°0	10°50	20°15	7°2	27°48	4°3	7°16	6°21	3°18	23°43	T 14
W15	23 35 31	22°3'18	9°Y3	10°45	2°0	15°41	11°2	20°20	7°5	27°47	4°3	7°15	6°18	3°25	23°45	W15
T 16	23 39 27	23°1'49	21°9	12°35	3°13	16°22	11°15	20°25	7°9	27°47	4°2	7°13	6°15	3°32	23°46	T 16
F 17	23 43 24	24°0'22	3♌25	14°26	4°27	17°2	11°27	20°30	7°13	27°46	4°2	7°10	6°12	3°38	23°47	F 17
S 18	23 47 21	24°58'58	15°53	16°18	5°42	17°43	11°40	20°34	7°16	27°46	4°2	7°8	6°8	3°45	23°48	S 18
S 19	23 51 17	25°57'35	28°34	18°10	6°56	18°24	11°53	20°39	7°20	27°45	4°2	7°6	6°5	3°52	23°49	S 19
M20	23 55 14	26°56'15	11♍33	20°1	8°10	19°5	12°6	20°44	7°24	27°44	4°1	7°4	6°2	3°58	23°50	M20
T 21	23 59 10	27°54'57	24°49	21°53	9°24	19°47	12°18	20°48	7°28	27°44	4°1	7°D3	5°59	4°5	23°51	T 21
W22	0 3 7	28°53'41	8♌27	23°44	10°38	20°28	12°31	20°53	7°31	27°43	4°1	7°3	5°56	4°11	23°52	W22
T 23	0 7 3	29°52'28	22°26	25°35	11°52	21°9	12°44	20°57	7°35	27°42	4°0	7°4	5°52	4°18	23°53	T 23
F 24	0 11 0	0♌51'17	6♌46	27°26	13°7	21°51	12°57	21°1	7°39	27°42	4°0	7°6	5°49	4°25	23°53	F 24
S 25	0 14 56	1°50'08	21°25	29°15	14°21	22°32	13°10	21°6	7°43	27°41	3°59	7°7	5°46	4°31	23°54	S 25
S 26	0 18 53	2°49'01	6♍18	1♌4	15°35	23°14	13°22	21°10	7°46	27°40	3°59	7°R8	5°43	4°38	23°55	S 26
M27	0 22 49	3°47'56	21°20	2°52	16°50	23°56	13°35	21°14	7°50	27°39	3°58	7°7	5°40	4°45	23°55	M27
T 28	0 26 46	4°46'54	6♌21	4°40	18°4	24°38	13°48	21°18	7°54	27°38	3°58	7°5	5°37	4°51	23°55	T 28
W29	0 30 43	5°45'53	21°13	6°26	19°19	25°19	14°1	21°21	7°58	27°37	3°57	7°2	5°33	4°58	23°56	W29
T 30	0 34 39	6♌44'55	5♍47	8♌12	20♍33	26♍1	14♌14	21♌25	8♌1	27♌36	3♍57	6♍58	5♍30	5♋5	23♍56	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	8n24	2s17	3n 6	14n16	0s25	17n 3	0n41	14s13	0s36	2s12	1n 8	21n45	0s21	1s52	0n40	18n 0	1s44	8n39	12s31	8n52	8n56	10s23	18n 1	5s17	
T 2	8 3	6 47	4 5	14 15	0 9	16 43	0 43	14 26	0 37	2 17	1 8	21 45	0 21	1 53	0 40	18 0	1 44	8 39	12 32	8 52	8 57	10 21	18 0	5 17	
F 3	7 41	10 46	4 47	14 10	0n 6	16 23	0 45	14 40	0 38	2 22	1 8	21 44	0 21	1 55	0 40	18 0	1 44	8 39	12 32	8 52	8 58	10 20	18 0	5 18	
S 4	7 19	14 2	5 11	14 2	0 20	16 3	0 48	14 53	0 38	2 26	1 8	21 43	0 20	1 56	0 40	18 0	1 44	8 39	12 32	8 52	8 59	10 18	18 0	5 18	
S 5	6 56	16 29	5 18	13 51	0 33	15 42	0 50	15 7	0 39	2 31	1 7	21 42	0 20	1 58	0 40	18 0	1 44	8 38	12 32	8 52	9 1	10 17	17 59	5 19	
M 6	6 34	18 2	5 9	13 36	0 45	15 21	0 52	15 20	0 40	2 36	1 7	21 42	0 20	1 59	0 40	18 0	1 44	8 38	12 32	8 52	9 2	10 15	17 59	5 19	
T 7	6 12	18 39	4 45	13 18	0 56	14 59	0 54	15 33	0 40	2 41	1 7	21 41	0 20	2 0	0 40	18 0	1 44	8 38	12 33	8 52	9 3	10 14	17 58	5 20	
W 8	5 49	18 24	4 9	12 56	1 6	14 37	0 56	15 46	0 41	2 46	1 7	21 40	0 20	2 2	0 40	18 0	1 44	8 38	12 33	8 51	9 4	10 12	17 58	5 20	
T 9	5 27	17 18	3 22	12 32	1 15	14 14	0 58	15 59	0 41	2 51	1 7	21 39	0 20	2 3	0 40	18 0	1 44	8 38	12 33	8 51	9 5	10 10	17 58	5 21	
F 10	5 4	15 27	2 27	12 4	1 23	13 51	1 0	16 12	0 42	2 56	1 7	21 39	0 20	2 5	0 40	18 0	1 44	8 37	12 33	8 51	9 6	10 9	17 57	5 21	
S 11	4 41	12 57	1 26	11 34	1 30	13 28	1 2	16 25	0 43	3 1	1 7	21 38	0 20	2 6	0 40	17 59	1 44	8 37	12 34	8 50	9 8	10 7	17 57	5 22	
S 12	4 18	9 56	0 22	11 2	1 36	13 4	1 4	16 38	0 43	3 6	1 7	21 37	0 20	2 8	0 40	17 59	1 44	8 37	12 34	8 50	9 9	10 6	17 56	5 22	
M13	3 55	6 31	0s44	10 27	1 40	12 40	1 5	16 51	0 44	3 11	1 7	21 37	0 20	2 9	0 40	17 59	1 44	8 37	12 34	8 50	9 10	10 4	17 56	5 23	
T 14	3 32	2 49	1 48	9 50	1 44	12 15	1 7	17 3	0 45	3 16	1 7	21 36	0 20	2 11	0 40	17 59	1 44	8 36	12 34	8 51	9 11	10 3	17 55	5 23	
W15	3 9	1n 2	2 47	9 11	1 47	11 50	1 9	17 16	0 45	3 21	1 7	21 35	0 20	2 12	0 40	17 59	1 44	8 36	12 34	8 51	9 12	10 1	17 55	5 24	
T 16	2 46	4 52	3 40	8 31	1 49	11 25	1 10	17 28	0 46	3 26	1 7	21 34	0 20	2 13	0 40	17 59	1 44	8 36	12 35	8 52	9 14	9 59	17 54	5 24	
F 17	2 23	8 32	4 23	7 49	1 50	11 0	1 12	17 40	0 46	3 31	1 7	21 34	0 20	2 15	0 40	17 58	1 45	8 35	12 35	8 53	9 15	9 58	17 54	5 25	
S 18	2 0	11 54	4 54	7 6	1 50	10 34	1 13	17 53	0 47	3 36	1 7	21 33	0 20	2 16	0 40	17 58	1 45	8 35	12 35	8 54	9 16	9 56	17 54	5 25	
S 19	1 36	14 46	5 12	6 22	1 49	10 8	1 15	18 5	0 48	3 41	1 7	21 32	0 20	2 18	0 40	17 58	1 45	8 35	12 35	8 55	9 17	9 55	17 53	5 26	
M20	1 13	16 59	5 15	5 37	1 48	9 41	1 16	18 16	0 48	3 46	1 7	21 32	0 20	2 19	0 40	17 58	1 45	8 35	12 36	8 55	9 18	9 53	17 53	5 26	
T 21	0 50	18 20	5 1	4 51	1 47	9 15	1 17	18 28	0 49	3 51	1 6	21 31	0 19	2 21	0 40	17 58	1 45	8 34	12 36	8 56	9 19	9 52	17 52	5 27	
W22	0 26	18 42	4 30	4 5	1 44	8 48	1 18	18 40	0 49	3 56	1 6	21 31	0 19	2 22	0 40	17 58	1 45	8 34	12 36	8 55	9 21	9 50	17 52	5 27	
T 23	0 3	17 56	3 42	3 18	1 41	8 20	1 20	18 51	0 50	4 1	1 6	21 30	0 19	2 24	0 40	17 57	1 45	8 34	12 36	8 55	9 22	9 48	17 51	5 28	
F 24	0s20	16 1	2 40	2 32	1 38	7 53	1 21	19 3	0 50	4 6	1 6	21 29	0 19	2 25	0 40	17 57	1 45	8 34	12 36	8 55	9 23	9 47	17 51	5 28	
S 25	0 44	13 1	1 26	1 44	1 34	7 25	1 22	19 14	0 51	4 11	1 6	21 29	0 19	2 27	0 40	17 57	1 45	8 33	12 37	8 54	9 24	9 45	17 50	5 29	
S 26	1 7	9 8	0 5	0 57	1 30	6 57	1 23	19 25	0 51	4 16	1 6	21 28	0 19	2 28	0 40	17 57	1 45	8 33	12 37	8 54	9 25	9 44	17 50	5 29	
M27	1 31	4 37	1n17	0 10	1 26	6 29	1 24	19 36	0 52	4 21	1 6	21 28	0 19	2 30	0 40	17 56	1 45	8 33	12 37	8 54	9 26	9 42	17 49	5 30	
T 28	1 54	0s10	2 34	0s37	1 21	6 1	1 24	19 47	0 52	4 26	1 6	21 27	0 19	2 31	0 40	17 56	1 45	8 32	12 37	8 55	9 28	9 40	17 49	5 30	
W29	2 17	4 54	3 39	1 24	1 16	5 32	1 25	19 58	0 53	4 31	1 6	21 27	0 19	2 33	0 40	17 56	1 45	8 32	12 37	8 56	9 29	9 39	17 48	5 31	
T 30	2s41	9s14	4n28	2s11	1n10	5n 3	1n26	20s 8	0s53	4s36	1n 6	21n26	0s19	2s34	0n40	17n56	1s45	8n32	12s38	8n58	9n30	9s37	17n48	5s32	

ASTRODIENST EPHEMERIS for the year 1886
geocentric

OCTOBER 1886

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	0 38 36	7♏43'58	19♍59	9♏57	21♎48	26♍44	14♏27	21♏29	8♏ 5	27°R36	3°R56	6°R53	5♎27	5♎11	23♏56	F 1
S 2	0 42 32	8°43'03	3♏43	11°41	23° 2	27°26	14°40	21°32	8° 9	27°R35	3♏56	6♎49	5°24	5°18	23°R56	S 2
S 3	0 46 29	9°42'10	17° 1	13°24	24°17	28° 8	14°53	21°36	8°13	27°34	3°55	6°45	5°21	5°25	23°56	S 3
M 4	0 50 25	10°41'19	29°52	15° 6	25°32	28°50	15° 6	21°39	8°17	27°33	3°54	6°43	5°18	5°31	23°56	M 4
T 5	0 54 22	11°40'30	12♏21	16°48	26°46	29°33	15°19	21°42	8°20	27°32	3°54	6°D43	5°14	5°38	23°56	T 5
W 6	0 58 18	12°39'42	24°33	18°29	28° 1	0♏15	15°32	21°46	8°24	27°30	3°53	6°43	5°11	5°45	23°55	W 6
T 7	1 2 15	13°38'56	6♏31	20° 8	29°16	0°58	15°45	21°49	8°28	27°29	3°53	6°45	5° 8	5°51	23°55	T 7
F 8	1 6 12	14°38'12	18°21	21°48	0♏30	1°41	15°58	21°52	8°32	27°28	3°52	6°47	5° 5	5°58	23°55	F 8
S 9	1 10 8	15°37'30	0♏ 9	23°26	1°45	2°23	16°11	21°54	8°36	27°27	3°51	6°48	5° 2	6° 4	23°54	S 9
S 10	1 14 5	16°36'49	11°57	25° 4	3° 0	3° 6	16°24	21°57	8°39	27°26	3°50	6°R48	4°58	6°11	23°54	S 10
M 11	1 18 1	17°36'10	23°49	26°40	4°15	3°49	16°37	22° 0	8°43	27°25	3°50	6°46	4°55	6°18	23°53	M 11
T 12	1 21 58	18°35'34	5°V50	28°17	5°30	4°32	16°50	22° 2	8°47	27°23	3°49	6°43	4°52	6°24	23°52	T 12
W 13	1 25 54	19°34'59	17°59	29°52	6°45	5°15	17° 3	22° 5	8°51	27°22	3°48	6°37	4°49	6°31	23°51	W 13
T 14	1 29 51	20°34'26	0♏20	1♎27	7°59	5°58	17°16	22° 7	8°54	27°21	3°47	6°30	4°46	6°38	23°50	T 14
F 15	1 33 47	21°33'56	12°52	3° 1	9°14	6°41	17°29	22°10	8°58	27°20	3°47	6°22	4°43	6°44	23°49	F 15
S 16	1 37 44	22°33'27	25°37	4°35	10°29	7°25	17°42	22°12	9° 2	27°18	3°46	6°14	4°39	6°51	23°48	S 16
S 17	1 41 41	23°33'01	8♏34	6° 8	11°44	8° 8	17°55	22°14	9° 5	27°17	3°45	6° 6	4°36	6°58	23°47	S 17
M 18	1 45 37	24°32'37	21°43	7°40	12°59	8°52	18° 8	22°16	9° 9	27°16	3°44	6° 0	4°33	7° 4	23°46	M 18
T 19	1 49 34	25°32'16	5♏ 6	9°11	14°14	9°35	18°21	22°17	9°13	27°14	3°43	5°56	4°30	7°11	23°45	T 19
W 20	1 53 30	26°31'56	18°42	10°42	15°29	10°19	18°34	22°19	9°17	27°13	3°43	5°54	4°27	7°18	23°43	W 20
T 21	1 57 27	27°31'39	2♏33	12°13	16°44	11° 2	18°47	22°21	9°20	27°12	3°42	5°D53	4°24	7°24	23°42	T 21
F 22	2 1 23	28°31'24	16°38	13°43	18° 0	11°46	19° 0	22°22	9°24	27°10	3°41	5°54	4°20	7°31	23°41	F 22
S 23	2 5 20	29°31'12	0♎57	15°12	19°15	12°30	19°13	22°24	9°27	27° 9	3°40	5°R55	4°17	7°37	23°39	S 23
S 24	2 9 16	0♎31'01	15°28	16°41	20°30	13°14	19°26	22°25	9°31	27° 7	3°39	5°55	4°14	7°44	23°37	S 24
M 25	2 13 13	1°30'53	0♏ 9	18° 9	21°45	13°58	19°38	22°26	9°35	27° 6	3°38	5°52	4°11	7°51	23°36	M 25
T 26	2 17 10	2°30'47	14°48	19°36	23° 0	14°42	19°51	22°27	9°38	27° 4	3°37	5°48	4° 8	7°57	23°34	T 26
W 27	2 21 6	3°30'43	29°25	21° 3	24°15	15°26	20° 4	22°28	9°42	27° 3	3°36	5°40	4° 4	8° 4	23°32	W 27
T 28	2 25 3	4°30'41	13♎51	22°29	25°31	16°10	20°17	22°29	9°45	27° 1	3°35	5°31	4° 1	8°11	23°30	T 28
F 29	2 28 59	5°30'41	27°59	23°54	26°46	16°54	20°30	22°30	9°49	27° 0	3°34	5°21	3°58	8°17	23°28	F 29
S 30	2 32 56	6°30'42	11♏43	25°19	28° 1	17°39	20°43	22°30	9°52	26°58	3°33	5°11	3°55	8°24	23°26	S 30
S 31	2 36 52	7♎30'46	25♏ 3	26♎43	29♏16	18♏23	20♏55	22♏31	9♏56	26♏56	3♏32	5♎ 2	3♎52	8♎31	23♏24	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	decl	decl	decl	decl	lat	decl	decl	decl	lat
F 1	3s 4	12s56	5n 0	2s57	1n 5	4n35	1n26	20s18	0s54	4s41	1n 6	21n26	0s19	2s36	0n40	17n55	1s45	8n32	12s38	8n59	9n31	9s36	17n47	5s32									
S 2	3 27	15 47	5 13	3 43	0 59	4 6	1 27	20 29	0 54	4 46	1 6	21 25	0 19	2 37	0 40	17 55	1 45	8 31	12 38	9 1	9 32	9 34	17 46	5 33									
S 3	3 51	17 42	5 8	4 29	0 53	3 36	1 27	20 39	0 55	4 51	1 6	21 25	0 19	2 39	0 40	17 55	1 45	8 31	12 38	9 2	9 33	9 32	17 46	5 33									
M 4	4 14	18 39	4 48	5 14	0 47	3 7	1 28	20 49	0 55	4 56	1 6	21 24	0 19	2 40	0 40	17 55	1 45	8 31	12 38	9 3	9 35	9 31	17 45	5 34									
T 5	4 37	18 39	4 15	5 59	0 40	2 38	1 28	20 58	0 56	5 1	1 6	21 24	0 19	2 42	0 40	17 54	1 45	8 30	12 38	9 3	9 36	9 29	17 45	5 34									
W 6	5 0	17 46	3 31	6 44	0 34	2 8	1 28	21 8	0 56	5 6	1 6	21 23	0 19	2 43	0 40	17 54	1 45	8 30	12 39	9 3	9 37	9 27	17 44	5 35									
T 7	5 23	16 6	2 38	7 28	0 27	1 39	1 29	21 17	0 57	5 11	1 6	21 23	0 18	2 45	0 40	17 54	1 45	8 30	12 39	9 2	9 38	9 26	17 44	5 35									
F 8	5 46	13 46	1 39	8 11	0 20	1 9	1 29	21 26	0 57	5 16	1 6	21 22	0 18	2 46	0 40	17 54	1 45	8 30	12 39	9 2	9 39	9 24	17 43	5 36									
S 9	6 9	10 52	0 36	8 54	0 14	0 40	1 29	21 35	0 58	5 21	1 6	21 22	0 18	2 48	0 40	17 53	1 46	8 29	12 39	9 1	9 40	9 23	17 43	5 36									
S 10	6 32	7 31	0s28	9 36	0 7	0 10	1 29	21 44	0 58	5 26	1 6	21 22	0 18	2 49	0 40	17 53	1 46	8 29	12 39	9 1	9 42	9 21	17 42	5 37									
M11	6 55	3 51	1 31	10 18	0s 0	0s20	1 29	21 53	0 58	5 31	1 6	21 21	0 18	2 51	0 40	17 53	1 46	8 29	12 40	9 2	9 43	9 19	17 42	5 37									
T 12	7 17	0n 0	2 31	10 59	0 7	0 50	1 28	22 1	0 59	5 36	1 6	21 21	0 18	2 52	0 40	17 52	1 46	8 28	12 40	9 3	9 44	9 18	17 41	5 38									
W13	7 40	3 54	3 25	11 39	0 14	1 20	1 28	22 10	0 59	5 41	1 6	21 21	0 18	2 54	0 40	17 52	1 46	8 28	12 40	9 5	9 45	9 16	17 41	5 38									
T 14	8 2	7 42	4 9	12 19	0 21	1 49	1 28	22 18	1 0	5 46	1 6	21 20	0 18	2 55	0 40	17 52	1 46	8 28	12 40	9 8	9 46	9 14	17 40	5 39									
F 15	8 25	11 13	4 43	12 58	0 28	2 19	1 28	22 26	1 0	5 51	1 6	21 20	0 18	2 57	0 40	17 51	1 46	8 28	12 40	9 11	9 47	9 13	17 39	5 39									
S 16	8 47	14 16	5 3	13 36	0 35	2 49	1 27	22 33	1 1	5 56	1 6	21 20	0 18	2 58	0 40	17 51	1 46	8 27	12 40	9 14	9 48	9 11	17 39	5 40									
S 17	9 9	16 41	5 8	14 13	0 41	3 19	1 27	22 41	1 1	6 1	1 6	21 19	0 18	3 0	0 40	17 51	1 46	8 27	12 40	9 17	9 50	9 9	17 38	5 40									
M18	9 31	18 16	4 57	14 50	0 48	3 48	1 26	22 48	1 1	6 6	1 6	21 19	0 18	3 1	0 40	17 50	1 46	8 27	12 41	9 19	9 51	9 8	17 38	5 41									
T 19	9 53	18 52	4 29	15 26	0 55	4 18	1 26	22 55	1 2	6 11	1 6	21 19	0 18	3 2	0 40	17 50	1 46	8 26	12 41	9 21	9 52	9 6	17 37	5 41									
W20	10 14	18 24	3 46	16 1	1 2	4 48	1 25	23 2	1 2	6 16	1 6	21 19	0 18	3 4	0 40	17 50	1 46	8 26	12 41	9 21	9 53	9 5	17 37	5 42									
T 21	10 36	16 51	2 50	16 36	1 8	5 17	1 24	23 8	1 2	6 21	1 6	21 19	0 18	3 5	0 40	17 49	1 46	8 26	12 41	9 21	9 54	9 3	17 36	5 42									
F 22	10 57	14 14	1 42	17 9	1 15	5 47	1 23	23 15	1 3	6 25	1 6	21 18	0 18	3 7	0 40	17 49	1 46	8 26	12 41	9 21	9 55	9 1	17 36	5 43									
S 23	11 19	10 44	0 27	17 42	1 21	6 16	1 23	23 21	1 3	6 30	1 6	21 18	0 17	3 8	0 40	17 49	1 46	8 25	12 41	9 21	9 57	9 0	17 35	5 43									
S 24	11 40	6 31	0n51	18 13	1 27	6 45	1 22	23 27	1 3	6 35	1 6	21 18	0 17	3 10	0 40	17 48	1 46	8 25	12 41	9 21	9 58	8 58	17 34	5 44									
M25	12 0	1 53	2 6	18 44	1 33	7 14	1 21	23 33	1 4	6 40	1 6	21 18	0 17	3 11	0 40	17 48	1 46	8 25	12 41	9 22	9 59	8 56	17 34	5 44									
T 26	12 21	2s52	3 13	19 14	1 39	7 43	1 20	23 38	1 4	6 45	1 6	21 18	0 17	3 12	0 40	17 48	1 46	8 25	12 42	9 23	10 0	8 55	17 33	5 45									
W27	12 42	7 26	4 6	19 43	1 45	8 12	1 19	23 43	1 4	6 50	1 6	21 18	0 17	3 14	0 40	17 47	1 46	8 24	12 42	9 26	10 1	8 53	17 33	5 45									
T 28	13 2	11 30	4 43	20 11	1 51	8 40	1 17	23 48	1 5	6 54	1 6	21 18	0 17	3 15	0 40	17 47	1 46	8 24	12 42	9 30	10 2	8 51	17 32	5 46									
F 29	13 22	14 49	5 2	20 38	1 56	9 8	1 16	23 53	1 5	6 59	1 6	21 18	0 17	3 17	0 40	17 46	1 46	8 24	12 42	9 33	10 4	8 50	17 32	5 46									
S 30	13 42	17 12	5 3	21 4	2 2	9 36	1 15	23 58	1 5	7 4	1 6	21 18	0 17	3 18	0 40	17 46	1 46	8 23	12 42	9 37	10 5	8 48	17 31	5 47									
S 31	14s 1	18s35	4n46	21s29	2s 7	10s 4	1n14	24s 2	1s 6	7s 9	1n 6	21n18	0s17	3s19	0n40	17n46	1s46	8n23	12s42	9n40	10n 6	8s46	17n31	5s47									

ASTRODIENST EPHEMERIS for the year 1886
geocentric

NOVEMBER 1886

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 40 49	8♉30°51	7♊57	28♉6	0♉31	19♉8	21♉8	22♉31	9♉59	26°R55	3°R31	4°R56	3♉49	8♉37	23°R22	M 1
T 2	2 44 45	9°30'57	20°28	29°28	1°47	19°52	21°21	22°31	10°3	26♉53	3♉30	4♉52	3°45	8°44	23♉19	T 2
W 3	2 48 42	10°31'06	2♉41	0♉49	3°2	20°37	21°33	22°32	10°6	26°52	3°29	4°50	3°42	8°51	23°17	W 3
T 4	2 52 39	11°31'15	14°40	2°10	4°17	21°22	21°46	22°R32	10°10	26°50	3°28	4°D49	3°39	8°57	23°15	T 4
F 5	2 56 35	12°31'27	26°30	3°29	5°33	22°6	21°59	22°32	10°13	26°48	3°27	4°50	3°36	9°4	23°12	F 5
S 6	3 0 32	13°31'39	8♉17	4°46	6°48	22°51	22°11	22°31	10°16	26°47	3°26	4°R50	3°33	9°10	23°10	S 6
S 7	3 4 28	14°31'54	20°7	6°3	8°3	23°36	22°24	22°31	10°20	26°45	3°25	4°49	3°29	9°17	23°7	S 7
M 8	3 8 25	15°32'09	2♉3	7°18	9°19	24°21	22°36	22°31	10°23	26°43	3°24	4°46	3°26	9°24	23°4	M 8
T 9	3 12 21	16°32'27	14°11	8°31	10°34	25°6	22°49	22°30	10°26	26°42	3°23	4°39	3°23	9°30	23°2	T 9
W10	3 16 18	17°32'45	26°32	9°42	11°49	25°51	23°1	22°29	10°29	26°40	3°22	4°31	3°20	9°37	22°59	W10
T 11	3 20 14	18°33'06	9♉8	10°51	13°5	26°36	23°14	22°29	10°32	26°38	3°21	4°19	3°17	9°44	22°56	T 11
F 12	3 24 11	19°33'28	22°0	11°58	14°20	27°21	23°26	22°28	10°36	26°37	3°20	4°7	3°14	9°50	22°53	F 12
S 13	3 28 7	20°33'52	5♉6	13°2	15°35	28°6	23°38	22°27	10°39	26°35	3°18	3°54	3°10	9°57	22°50	S 13
S 14	3 32 4	21°34'18	18°26	14°3	16°51	28°52	23°51	22°26	10°42	26°33	3°17	3°42	3°7	10°4	22°47	S 14
M15	3 36 1	22°34'45	1♉57	15°1	18°6	29°37	24°3	22°25	10°45	26°32	3°16	3°31	3°4	10°10	22°44	M15
T 16	3 39 57	23°35'14	15°38	15°54	19°22	0♉22	24°15	22°23	10°48	26°30	3°15	3°24	3°1	10°17	22°41	T 16
W17	3 43 54	24°35'45	29°25	16°44	20°37	1°8	24°27	22°22	10°51	26°28	3°14	3°20	2°58	10°24	22°38	W17
T 18	3 47 50	25°36'18	13♉20	17°28	21°52	1°53	24°39	22°20	10°54	26°27	3°13	3°18	2°55	10°30	22°35	T 18
F 19	3 51 47	26°36'52	27°20	18°7	23°8	2°39	24°51	22°19	10°57	26°25	3°12	3°17	2°51	10°37	22°32	F 19
S 20	3 55 43	27°37'28	11♉26	18°39	24°23	3°24	25°3	22°17	11°0	26°23	3°11	3°17	2°48	10°44	22°29	S 20
S 21	3 59 40	28°38'06	25°37	19°5	25°39	4°10	25°15	22°15	11°3	26°22	3°10	3°16	2°45	10°50	22°25	S 21
M22	4 3 36	29°38'46	9♉51	19°22	26°54	4°56	25°27	22°13	11°6	26°20	3°8	3°12	2°42	10°57	22°22	M22
T 23	4 7 33	0♉39°27	24°6	19°R31	28°10	5°42	25°39	22°11	11°8	26°18	3°7	3°6	2°39	11°3	22°19	T 23
W24	4 11 30	1°40'10	8♉18	19°31	29°25	6°28	25°50	22°9	11°11	26°16	3°6	2°57	2°35	11°10	22°15	W24
T 25	4 15 26	2°40'54	22°21	19°21	0♉40	7°13	26°2	22°7	11°14	26°15	3°5	2°45	2°32	11°17	22°12	T 25
F 26	4 19 23	3°41'40	6♉11	19°0	1°56	7°59	26°14	22°4	11°17	26°13	3°4	2°32	2°29	11°23	22°8	F 26
S 27	4 23 19	4°42'27	19°43	18°29	3°11	8°45	26°25	22°2	11°19	26°11	3°3	2°19	2°26	11°30	22°5	S 27
S 28	4 27 16	5°43'16	2♉55	17°46	4°27	9°31	26°37	21°59	11°22	26°10	3°2	2°7	2°23	11°37	22°1	S 28
M29	4 31 12	6°44'05	15°46	16°53	5°42	10°18	26°48	21°57	11°24	26°8	3°0	1°57	2°20	11°43	21°57	M29
T 30	4 35 9	7♉44'56	28♉16	15♉50	6♉58	11♉4	26♉59	21♉54	11♉27	26♉6	2♉59	1♉51	2♉16	11♉50	21♉54	T 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈	♉	♊	♋
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat		
M 1	14s21	18s57	4n16	21s53	2s11	10s32	1n12	24s 6	1s 6	7s14	1n 6	21n18	0s17	3s21	0n40	17n45	1s46	8n23	12s42	9n42	10n 7	8s45	17n30	5s48
T 2	14 40	18 22	3 34	22 15	2 16	10 59	1 11	24 10	1 6	7 18	1 6	21 18	0 17	3 22	0 40	17 45	1 46	8 23	12 42	9 44	10 8	8 43	17 29	5 48
W 3	14 59	16 56	2 43	22 37	2 20	11 27	1 9	24 13	1 6	7 23	1 6	21 18	0 17	3 23	0 40	17 45	1 46	8 22	12 42	9 45	10 9	8 41	17 29	5 48
T 4	15 18	14 46	1 46	22 57	2 24	11 54	1 8	24 17	1 7	7 28	1 6	21 18	0 17	3 25	0 40	17 44	1 46	8 22	12 42	9 45	10 10	8 40	17 28	5 49
F 5	15 36	12 0	0 44	23 16	2 27	12 20	1 6	24 20	1 7	7 32	1 6	21 18	0 17	3 26	0 40	17 44	1 46	8 22	12 42	9 45	10 12	8 38	17 28	5 49
S 6	15 54	8 45	0s18	23 34	2 31	12 47	1 5	24 23	1 7	7 37	1 7	21 18	0 16	3 27	0 40	17 43	1 46	8 22	12 42	9 45	10 13	8 36	17 27	5 50
S 7	16 12	5 9	1 21	23 51	2 33	13 13	1 3	24 25	1 7	7 42	1 7	21 18	0 16	3 28	0 40	17 43	1 46	8 21	12 43	9 45	10 14	8 34	17 27	5 50
M 8	16 30	1 19	2 20	24 6	2 36	13 38	1 1	24 28	1 8	7 46	1 7	21 18	0 16	3 30	0 40	17 43	1 46	8 21	12 43	9 46	10 15	8 33	17 26	5 50
T 9	16 47	2n38	3 13	24 20	2 38	14 4	0 59	24 30	1 8	7 51	1 7	21 18	0 16	3 31	0 40	17 42	1 46	8 21	12 43	9 48	10 16	8 31	17 26	5 51
W10	17 5	6 32	3 58	24 32	2 39	14 29	0 58	24 31	1 8	7 55	1 7	21 18	0 16	3 32	0 40	17 42	1 46	8 21	12 43	9 52	10 17	8 29	17 25	5 51
T 11	17 21	10 14	4 33	24 44	2 40	14 53	0 56	24 33	1 8	8 0	1 7	21 19	0 16	3 33	0 40	17 41	1 46	8 21	12 43	9 56	10 18	8 28	17 25	5 52
F 12	17 38	13 32	4 54	24 53	2 40	15 17	0 54	24 34	1 9	8 4	1 7	21 19	0 16	3 35	0 40	17 41	1 46	8 20	12 43	10 0	10 20	8 26	17 24	5 52
S 13	17 54	16 14	5 1	25 1	2 40	15 41	0 52	24 35	1 9	8 9	1 7	21 19	0 16	3 36	0 40	17 41	1 46	8 20	12 43	10 5	10 21	8 24	17 24	5 52
S 14	18 10	18 7	4 51	25 8	2 39	16 5	0 50	24 36	1 9	8 13	1 7	21 19	0 16	3 37	0 40	17 40	1 46	8 20	12 43	10 10	10 22	8 23	17 23	5 53
M15	18 26	19 1	4 25	25 13	2 37	16 28	0 48	24 36	1 9	8 18	1 7	21 20	0 16	3 38	0 40	17 40	1 46	8 20	12 43	10 13	10 23	8 21	17 23	5 53
T 16	18 41	18 50	3 44	25 16	2 35	16 50	0 46	24 36	1 9	8 22	1 7	21 20	0 16	3 39	0 40	17 40	1 46	8 19	12 43	10 16	10 24	8 19	17 22	5 53
W17	18 56	17 32	2 49	25 18	2 31	17 13	0 44	24 36	1 10	8 26	1 7	21 20	0 16	3 41	0 40	17 39	1 46	8 19	12 43	10 17	10 25	8 18	17 22	5 54
T 18	19 10	15 10	1 44	25 17	2 26	17 34	0 42	24 36	1 10	8 31	1 7	21 21	0 16	3 42	0 40	17 39	1 46	8 19	12 43	10 18	10 27	8 16	17 21	5 54
F 19	19 25	11 55	0 31	25 15	2 21	17 56	0 40	24 35	1 10	8 35	1 7	21 21	0 16	3 43	0 40	17 38	1 46	8 19	12 43	10 18	10 28	8 14	17 21	5 54
S 20	19 38	7 57	0n43	25 12	2 14	18 16	0 37	24 34	1 10	8 39	1 7	21 21	0 15	3 44	0 40	17 38	1 46	8 19	12 43	10 18	10 29	8 12	17 20	5 55
S 21	19 52	3 30	1 55	25 6	2 6	18 37	0 35	24 33	1 10	8 44	1 7	21 22	0 15	3 45	0 40	17 38	1 46	8 18	12 43	10 19	10 30	8 11	17 20	5 55
M22	20 5	1s 8	3 0	24 58	1 57	18 56	0 33	24 32	1 10	8 48	1 8	21 22	0 15	3 46	0 41	17 37	1 46	8 18	12 43	10 20	10 31	8 9	17 19	5 55
T 23	20 18	5 43	3 54	24 48	1 46	19 16	0 31	24 30	1 10	8 52	1 8	21 22	0 15	3 47	0 41	17 37	1 46	8 18	12 43	10 22	10 32	8 7	17 19	5 56
W24	20 30	9 58	4 33	24 36	1 34	19 34	0 29	24 28	1 10	8 56	1 8	21 23	0 15	3 48	0 41	17 36	1 46	8 18	12 43	10 26	10 33	8 6	17 18	5 56
T 25	20 42	13 36	4 55	24 21	1 20	19 52	0 26	24 26	1 11	9 0	1 8	21 23	0 15	3 49	0 41	17 36	1 46	8 18	12 43	10 30	10 35	8 4	17 18	5 56
F 26	20 54	16 26	5 0	24 5	1 5	20 10	0 24	24 23	1 11	9 4	1 8	21 24	0 15	3 50	0 41	17 36	1 46	8 18	12 43	10 35	10 36	8 2	17 17	5 57
S 27	21 5	18 17	4 47	23 45	0 48	20 27	0 22	24 20	1 11	9 9	1 8	21 24	0 15	3 51	0 41	17 35	1 46	8 17	12 43	10 39	10 37	8 0	17 17	5 57
S 28	21 16	19 7	4 19	23 24	0 30	20 43	0 19	24 17	1 11	9 13	1 8	21 25	0 15	3 52	0 41	17 35	1 46	8 17	12 43	10 44	10 38	7 59	17 16	5 57
M29	21 27	18 55	3 38	23 0	0 11	20 59	0 17	24 14	1 11	9 17	1 8	21 25	0 15	3 53	0 41	17 35	1 46	8 17	12 43	10 47	10 39	7 57	17 16	5 57
T 30	21s37	17s47	2n47	22s33	0n 8	21s15	0n15	24s10	1s11	9s21	1n 8	21n26	0s15	3s54	0n41	17n34	1s46	8n17	12s43	10n49	10n40	7s55	17n15	5s58

ASTRODIENST EPHEMERIS for the year 1886
geocentric

DECEMBER 1886

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	4 39 6	8♌45'47	10♍29	14♎R39	8♏13	11♐50	27♑11	21♒R51	11♓29	26♓R 5	2♓R58	1♓R47	2♎13	11♏57	21♐R50	W 1
T 2	4 43 2	9♍46'39	22♎28	13♏21	9♐29	12♑36	27♒22	21♓48	11♓32	26♓R 3	2♓R57	1♓R45	2♎10	12♐3	21♑47	T 2
F 3	4 46 59	10♎47'32	4♐19	11♐59	10♑44	13♒22	27♓33	21♓45	11♓34	26♓R 2	2♓R56	1♓R45	2♎7	12♑10	21♒43	F 3
S 4	4 50 55	11♏48'26	16♑7	10♑37	12♒0	14♓9	27♓44	21♓42	11♓36	26♓R 0	2♓R55	1♓R45	2♎4	12♒17	21♓39	S 4
S 5	4 54 52	12♐49'20	27♓57	9♒15	13♓15	14♓55	27♓55	21♓39	11♓39	25♓58	2♓R54	1♓R44	2♎1	12♒23	21♓35	S 5
M 6	4 58 48	13♑50'16	9♓55	7♓58	14♓31	15♓41	28♓6	21♓36	11♓41	25♓57	2♓R53	1♓R41	1♓57	12♓30	21♓32	M 6
T 7	5 2 45	14♒51'12	22♓5	6♓47	15♓46	16♓28	28♓17	21♓32	11♓43	25♓55	2♓R51	1♓R36	1♓54	12♓37	21♓28	T 7
W 8	5 6 41	15♓52'08	4♔33	5♓46	17♓2	17♓14	28♓28	21♓29	11♓45	25♓54	2♓R50	1♓R28	1♓51	12♓43	21♓24	W 8
T 9	5 10 38	16♔53'06	17♓20	4♓54	18♓17	18♓1	28♓38	21♓25	11♓48	25♓52	2♓R49	1♓R17	1♓48	12♓50	21♓20	T 9
F 10	5 14 34	17♔54'04	0♔27	4♓13	19♓33	18♓47	28♓49	21♓22	11♓50	25♓50	2♓R48	1♓R5	1♓45	12♓56	21♓17	F 10
S 11	5 18 31	18♓55'03	13♓55	3♓43	20♓48	19♓34	28♓59	21♓18	11♓52	25♓49	2♓R47	0♓53	1♓41	13♓3	21♓13	S 11
S 12	5 22 28	19♓56'03	27♓39	3♓24	22♓4	20♓21	29♓10	21♓14	11♓54	25♓47	2♓R46	0♓41	1♓38	13♓10	21♓9	S 12
M13	5 26 24	20♔57'04	11♔37	3♓D17	23♓19	21♓7	29♓20	21♓10	11♓56	25♓46	2♓R45	0♓31	1♓35	13♓16	21♓5	M13
T 14	5 30 21	21♓58'05	25♓44	3♓19	24♓35	21♓54	29♓30	21♓6	11♓57	25♓44	2♓R44	0♓24	1♓32	13♓23	21♓2	T 14
W15	5 34 17	22♓59'08	9♓55	3♓31	25♓50	22♓41	29♓40	21♓2	11♓59	25♓43	2♓R43	0♓20	1♓29	13♓30	20♓58	W15
T 16	5 38 14	24♓0'11	24♓7	3♓52	27♓6	23♓28	29♓50	20♓58	12♓1	25♓41	2♓R42	0♓D18	1♓26	13♓36	20♓54	T 16
F 17	5 42 10	25♓1'15	8♎18	4♓21	28♓21	24♓14	0♎0	20♓54	12♓3	25♓40	2♓R41	0♓18	1♓22	13♓43	20♓50	F 17
S 18	5 46 7	26♓2'20	22♓25	4♓56	29♓36	25♓1	0♓10	20♓50	12♓4	25♓39	2♓R40	0♓R19	1♓19	13♓50	20♓46	S 18
S 19	5 50 4	27♓3'26	6♓28	5♓38	0♓52	25♓48	0♓20	20♓46	12♓6	25♓37	2♓R39	0♓18	1♓16	13♓56	20♓43	S 19
M20	5 54 0	28♓4'32	20♓26	6♓26	2♓7	26♓35	0♓29	20♓41	12♓8	25♓36	2♓R38	0♓16	1♓13	14♓3	20♓39	M20
T 21	5 57 57	29♓5'40	4♎18	7♓18	3♓23	27♓22	0♓39	20♓37	12♓9	25♓34	2♓R37	0♓12	1♓10	14♓10	20♓35	T 21
W22	6 1 53	0♓6'48	18♓3	8♓15	4♓38	28♓9	0♓48	20♓32	12♓11	25♓33	2♓R36	0♓4	1♓7	14♓16	20♓31	W22
T 23	6 5 50	1♓7'57	1♓39	9♓16	5♓54	28♓56	0♓57	20♓28	12♓12	25♓32	2♓R35	29♓J55	1♓3	14♓23	20♓28	T 23
F 24	6 9 46	2♓9'06	15♓3	10♓20	7♓9	29♓43	1♓7	20♓23	12♓13	25♓30	2♓R34	29♓44	1♓0	14♓30	20♓24	F 24
S 25	6 13 43	3♓10'16	28♓13	11♓27	8♓25	0♓30	1♓16	20♓19	12♓15	25♓29	2♓R33	29♓34	0♓57	14♓36	20♓20	S 25
S 26	6 17 39	4♓11'26	11♓8	12♓37	9♓40	1♓17	1♓25	20♓14	12♓16	25♓28	2♓R32	29♓24	0♓54	14♓43	20♓16	S 26
M27	6 21 36	5♓12'36	23♓47	13♓49	10♓56	2♓4	1♓33	20♓9	12♓17	25♓27	2♓R31	29♓16	0♓51	14♓49	20♓13	M27
T 28	6 25 33	6♓13'47	6♓10	15♓3	12♓11	2♓51	1♓42	20♓5	12♓18	25♓25	2♓R30	29♓11	0♓47	14♓56	20♓9	T 28
W29	6 29 29	7♓14'57	18♓19	16♓19	13♓27	3♓38	1♓51	20♓0	12♓19	25♓24	2♓R29	29♓8	0♓44	15♓3	20♓6	W29
T 30	6 33 26	8♓16'07	0♓17	17♓37	14♓42	4♓26	1♓59	19♓55	12♓20	25♓23	2♓R28	29♓D 7	0♓41	15♓9	20♓2	T 30
F 31	6 37 22	9♓17'17	12♓7	18♓56	15♓58	5♓13	2♓18	19♓50	12♓21	25♓22	2♓R27	29♓J 8	0♓38	15♓16	19♓59	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
W 1	21s46	15s51	1n50	22s 5	0n29	21s29	0n12	24s 6	1s11	9s25	1n 8	21n26	0s15	3s55	0n41	17n34	1s46	8n17	12s42	10n51	10n41	7s53	17n15	5s58					
T 2	21 56	13 15	0 49	21 36	0 49	21 43	0 10	24 2	1 11	9 28	1 9	21 27	0 14	3 56	0 41	17 33	1 46	8 17	12 42	10 51	10 42	7 52	17 14	5 58					
F 3	22 4	10 9	0s14	21 6	1 9	21 57	0 8	23 58	1 11	9 32	1 9	21 27	0 14	3 57	0 41	17 33	1 46	8 17	12 42	10 51	10 44	7 50	17 14	5 58					
S 4	22 13	6 38	1 15	20 36	1 28	22 9	0 5	23 53	1 11	9 36	1 9	21 28	0 14	3 58	0 41	17 33	1 46	8 16	12 42	10 51	10 45	7 48	17 14	5 58					
S 5	22 21	2 52	2 14	20 7	1 46	22 21	0 3	23 48	1 11	9 40	1 9	21 29	0 14	3 59	0 41	17 32	1 46	8 16	12 42	10 52	10 46	7 47	17 13	5 59					
M 6	22 28	1n 3	3 8	19 39	2 1	22 33	0 0	23 43	1 11	9 44	1 9	21 29	0 14	4 0	0 41	17 32	1 46	8 16	12 42	10 53	10 47	7 45	17 13	5 59					
T 7	22 35	4 59	3 54	19 14	2 15	22 44	0s 2	23 37	1 11	9 48	1 9	21 30	0 14	4 1	0 41	17 32	1 46	8 16	12 42	10 55	10 48	7 43	17 12	5 59					
W 8	22 42	8 49	4 30	18 52	2 26	22 54	0 4	23 31	1 11	9 51	1 9	21 30	0 14	4 1	0 41	17 31	1 46	8 16	12 42	10 58	10 49	7 41	17 12	5 59					
T 9	22 48	12 20	4 53	18 34	2 35	23 3	0 7	23 25	1 11	9 55	1 9	21 31	0 14	4 2	0 41	17 31	1 46	8 16	12 42	11 1	10 50	7 40	17 12	5 59					
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F 31	23s 8	8s 6	1s10	22s 4	0n56	23s25	0s55	20s 6	1s10	11s 5	1n12	21n47	0s12	4s15	0n42	17n25	1s45	8n15	12s39	11n47	11n15	7s 1	17n 5	6s 0					