

EQUATION OF TIME FOR 1853.

For the Meridian of Saint John, N. B.

DAYS.	JANY.	FEBY.	MAR.	APRIL	MAY	JUNE	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
	☉ S.	☉ F.	☉ S.	☉ S.	☉ F.	☉ F.	☉ S.	☉ S.	☉ F.	☉ F.	☉ F.	☉ F.
	m. s.	m. s.	m. s.	m. s.	m. s.	m. s.	m. s.	m. s.	m. s.	m. s.	m. s.	m. s.
1	4 4	13 58	12 32	3 52	3 5	2 29	3 29	6 0	0 15	10 26	16 18	10 38
2	4 32	14 5	12 20	3 34	3 12	2 20	3 41	5 56	0 33	10 45	16 18	10 14
3	5 0	14 11	12 7	3 16	3 19	2 10	3 52	5 51	0 52	11 4	16 18	9 51
4	5 27	14 17	11 54	2 58	3 25	2 0	4 3	5 46	1 12	11 22	16 17	9 27
5	5 54	14 22	11 40	2 40	3 30	1 50	4 13	5 40	1 32	11 39	16 15	9 1
6	6 21	14 26	11 25	2 23	3 35	1 39	4 23	5 34	1 51	11 57	16 13	8 36
7	6 46	14 29	11 11	2 6	3 40	1 28	4 33	5 27	2 12	12 14	16 10	8 10
8	7 11	14 31	10 56	1 49	3 44	1 17	4 43	5 20	2 32	12 30	16 5	7 43
9	7 36	14 33	10 41	1 32	3 47	1 5	4 52	5 12	2 53	12 46	16 0	7 16
10	8 1	14 34	10 25	1 16	3 49	0 54	5 1	5 3	3 13	13 2	15 54	6 49
11	8 25	14 34	10 9	1 0	3 51	0 42	5 9	4 54	3 34	13 17	15 47	6 21
12	8 48	14 33	9 53	0 43	3 52	0 29	5 17	4 44	3 55	13 32	15 39	5 53
13	9 11	14 32	9 37	0 28	3 53	0 17	5 24	4 33	4 16	13 47	15 31	5 25
14	9 33	14 29	9 20	0 12	3 54	0 4	5 31	4 23	4 37	14 0	15 21	4 56
15	9 54	14 27	9 3	F 2	3 54	SL 8	5 37	4 10	4 59	14 14	15 11	4 27
16	10 15	14 23	8 45	0 16	3 53	0 21	5 43	3 59	5 20	14 26	15 0	3 58
17	10 35	14 18	8 28	0 31	3 52	0 34	5 48	3 47	5 41	14 38	14 48	3 28
18	10 54	14 13	8 10	0 45	3 50	0 47	5 53	3 34	6 2	14 50	14 36	2 58
19	11 12	14 7	7 52	0 59	3 48	0 59	5 57	3 19	6 23	15 1	14 22	2 29
20	11 29	14 1	7 34	1 12	3 45	1 12	6 1	3 6	6 44	15 11	14 8	1 59
21	11 46	13 53	7 16	1 24	3 41	1 25	6 4	2 51	7 5	15 21	13 53	1 29
22	12 2	13 44	6 57	1 37	3 37	1 38	6 6	2 36	7 26	15 30	13 37	0 59
23	12 18	13 36	6 39	1 49	3 33	1 51	6 8	2 21	7 47	15 38	13 20	0 29
24	12 32	13 27	6 20	2 0	3 28	2 4	6 9	2 5	8 8	15 45	13 2	SL 1
25	12 45	13 17	6 2	2 11	3 22	2 16	6 10	1 48	8 28	15 52	12 44	0 31
26	12 58	13 6	5 43	2 21	3 16	2 29	6 11	1 32	8 49	15 58	12 25	1 1
27	13 10	12 56	5 25	2 31	3 10	2 41	6 10	1 15	9 9	16 3	12 5	1 31
28	13 21	12 45	5 6	2 40	3 3	2 54	6 9	0 58	9 29	16 8	11 44	2 1
29	13 32		4 47	2 50	2 55	3 6	6 8	0 40	9 48	16 11	11 23	2 30
30	13 41		4 29	2 53	2 47	3 18	6 6	0 22	10 8	16 14	11 1	2 59
31	13 49		4 11		2 38		6 3	0 4		16 17		3 28

When the Sun is slow, Equation to be added to Apparent Time.

When the Sun is fast, Equation to be subtracted from Apparent Time.

Almanacs often contain the expressions, "*sun fast*," and "*sun slow*." They refer to the difference of time as shown by the sun, and as shown by a good clock or watch. Time as marked by the *former* is called "*apparent*," and as marked by the *latter*, "*mean time*." A good sun-dial will always tell the former; a watch or clock, the latter. The calculations of most almanacs are given in mean or clock time.

Venus will be morning star until May 13, then evening star until Feb. 28, 1854.