

MEAN TIME of SUN-RISE and SUN-SET

ST. JOHN'S, NEWFOUNDLAND, ON EVERY THURSDAY IN THE
YEAR 1852.

Date.	Sun-rise.	Sun-set.	Date.	Sun-rise.	Sun-set.
January 1—	7h 51m	4h 17m	July 2—	4h 9m	7h 59m
8—	7 49	4 26	9—	4 14	7 56
15—	7 45	4 35	16—	4 21	7 51
22—	7 39	4 45	23—	4 29	7 44
29—	7 31	4 55	30—	4 37	7 35
February 5—	7 23	5 6	August 6—	4 46	7 25
12—	7 12	5 17	13—	4 55	7 14
19—	7 0	5 28	20—	5 4	7 2
26—	6 47	5 39	27—	5 13	6 49
March 5—	6 34	5 49	September 3—	5 23	6 35
12—	6 20	6 0	10—	5 33	6 21
19—	6 6	6 10	17—	5 42	6 7
26—	5 52	6 20	24—	5 51	5 53
April 2—	5 38	6 30	October 1—	6 4	5 39
9—	5 24	6 40	8—	6 11	5 25
16—	5 11	6 49	15—	6 21	5 12
23—	4 58	6 58	22—	6 32	4 58
30—	4 46	7 8	29—	6 42	4 47
May 7—	4 34	7 18	November 5—	6 52	4 36
14—	4 24	7 27	12—	7 3	4 27
21—	4 16	7 36	19—	7 14	4 18
28—	4 10	7 43	26—	7 23	4 12
June 4—	4 6	7 50	December 3—	7 32	4 8
11—	4 4	7 55	10—	7 40	4 6
18—	4 3	7 59	17—	7 45	4 7
25—	4 5	8 0	24—	7 49	4 11
			31—	7 51	4 15

Variation of the Compass.

From the Records of Her Majesty's Magnetic Observatory.

The mean variation at Toronto, for the year 1847, was $1^{\circ} 36'$ West (nearly); it increases about $3'$ every year. The variation undergoes a daily change, being least from 7 to 8, A.M., and greatest from 1 to 2 P.M. The variation is least liable to fluctuations in the afternoon; it is near its mean value at 10 A.M., and 6 to 7 P.M.

The Magnetical and Meteorological Observatory was founded by Her Majesty's Government in 1840, in concert with similar establishments in other Colonies and in India. Similar establishments have been maintained at Washington, Philadelphia, and Boston, in the United States, and in most European countries.