

Note.—The monthly means do not include Sunday observations. The daily means, excepting those that relate to the wind, are derived from six observations daily, namely, at 6 A.M., 8 A.M., 2 P.M., 4 P.M., 10 P.M., and midnight. The means and resultants for the wind are from hourly observations.

Highest Barometer 30.045 at 8 a.m. on 30th. } Monthly range = 1.256 inches.
 Lowest Barometer 28.779 at 2.30 p.m. on 19th. }
 { Maximum temperature 71°·4 on 10th. } Monthly range = 49°·8
 { Minimum temperature 21°·6 on 29th. }
 Mean maximum temperature 52°·29 } Mean daily range = 14°·22
 Mean minimum temperature 38°·07 }
 Greatest daily range 24°·8 }
 Least daily range 10th 30° from a.m. to p.m. of 14th.
 Warmest day 10th 62°·43 } Difference = 34°·56
 Coldest day 27th 27°·87 }
 Maximum { Solar 115°·4 on 20th } Monthly range = 101°·9
 Radiation { Terrestrial 135° on 29th }
 Aurora observed on 9 nights, viz.:—on 5th, 9th, 10th, 11th, 15th, 19th, 20th, 23d and 31st.
 Possible to see Aurora on 19 nights; impossible on 12 nights.
 Snowing on 3 days; depth 4·5 inches; duration of fall 27·5 hours.
 Raining on 17 days; depth 2·705 inches; duration of fall, 63·8 hours.
 Mean of cloudiness = 6·58; Most cloudy hour observed, 2 p.m.; mean = 0·70; least cloudy hour observed, 10 p.m.; mean = 0·46.

Sums of the components of the Atmospheric Current, expressed in Miles.

North. 2772·32 South. 635·10 East. 597·75 West. 2553·64

Resultant direction, N. 36° W.; Resultant Velocity, 3·55 miles per hour.
 Mean velocity 7·25 miles per hour.
 Maximum velocity 33·4 miles, from 1.30 to 2.30 p.m. on 29th.
 Most windy day 19th—Mean velocity 17·55 miles per hour.
 Least windy day 8th—Mean velocity 1·73 miles per hour.
 { Difference 15·82.
 Most windy hour, 1 p.m.—Mean velocity, 10·27 miles per hour.
 Least windy hour, 10 p.m.—Mean velocity, 5·35 miles per hour.
 { Difference
 4·92 miles.
 2nd. Thin ice a. m. Corona round moon at midnight.
 7th. Severe thunder storm at night. 8th. Fog at night.
 17th. Solar halo 1 p. m.
 26th. First snow of season.

October was cool, wet and windy. The amount of snow, although far less than in 1844, is the second greatest recorded.

COMPARATIVE TABLE FOR OCTOBER.

YEAR.	Mean.	TEMPERATURE.			RAIN.		SNOW.		WIND.	
		Excess Above Average	Maximum Observed.	Minimum Observed.	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant.
1840	44·4	— 1·2	63·5	23·9	44·6	13	1·800	3	...	...
1841	41·6	— 4·0	58·3	20·3	38·0	6	1·366	2	...	...
1842	45·1	— 0·5	65·5	30·0	38·5	8	5·175	0	...	...
1843	41·8	— 3·8	65·7	24·5	41·2	12	3·700	4	2·5	...
1844	43·3	— 2·3	63·6	17·8	51·8	7	imp.	4	12·0	...
1845	46·4	+ 0·8	62·7	20·9	42·7	11	1·760	1	imp.	...
1846	44·0	— 1·6	69·7	20·7	49·0	14	4·150	2	imp.	...
1847	44·0	+ 0·7	62·2	20·3	44·7	13	4·350	2	imp.	...
1848	46·3	— 0·3	59·2	25·5	33·7	13	5·965	1	imp.	...
1849	45·3	— 0·2	66·6	24·8	41·8	10	2·065	0	...	...
1850	45·4	+ 1·8	66·1	25·0	41·1	10	1·680	2	0·3	...
1851	47·4	+ 2·4	70·7	29·8	40·9	12	5·280	0	...	...
1852	48·0	— 1·2	64·7	23·5	39·2	10	0·875	2	imp.	...
1853	44·4	— 3·9	71·2	29·8	44·4	15	1·465	3	imp.	...
1854	49·5	— 0·2	64·3	23·0	36·3	14	2·485	5	0·8	...
1855	45·3	— 0·3	70·1	23·3	46·8	10	0·875	2	0·1	...
1856	45·3	+ 3·2	76·3	34·2	42·1	17	1·797	1	imp.	...
1857	48·8	— 0·2	63·5	27·7	35·8	10	1·040	2	0·2	...
1858	45·4	+ 2·6	63·4	23·3	46·1	11	0·940	4	imp.	...
1859	43·0	+ 1·7	63·7	28·4	35·3	15	1·618	1	imp.	...
1860	47·3	+ 3·1	64·5	30·2	34·3	15	1·993	1	imp.	...
1861	48·7	+ 3·1	76·0	27·0	49·0	10	2·654	2	0·5	...
1862	49·7	+ 0·3	63·4	30·9	32·5	16	2·322	0	...	...
1863	45·9	— 0·4	64·8	23·4	36·4	22	3·321	3	imp.	...
1864	45·2	— 1·1	66·6	22·3	44·3	17	2·705	3	4·5	...
1865	44·5	...	66·07	25·79	40·88	12·6	2·530	1·8	0·78	...
Results to 1864.	45·65	...	66·07	25·79	40·88	12·6	2·530	1·8	0·78	...
Exc.	— 1·15	...	— 0·07	— 3·49	+ 3·42	4·4	0·175	1·2	3·72	...
for 1865.	...	...	...	...	...	...	...	...	...	...

October was cool, wet and windy. The amount of snow, although far less than in 1844, is the second greatest recorded.