

very sudden decrease of temperature occurred on the 19th May; it rained most of the day, with a temperature of 65° degrees at 2 p. m., and at 10 p. m., a temperature of 53° degrees, with a S. E. wind, which veered by the S. W. to W. with snow, the thermometer standing at 6, a. m., at 32°1. The leaves of the lilac and dog-rose were frozen; the amount of snow which fell was 0.70 of an inch, and was the last snow of the Spring of 1860.

Humidity of the atmosphere.—The mean relative amount of Humidity for the year was .780, saturation being equal to 1,000, shewing a difference of .012 more of Humidity than the mean of 1859. Complete saturation occurred twice during the year. The relative Humidity for the different months of 1860 was as follows:

January.....	0.786	May	0.695	September.....	0.777
February.....	.751	June.....	.715	October.....	.839
March.....	.813	July679	November839
April753	August.....	.740	December786

July, as usual, was the driest month of the year, and this is borne out by comparison with the mean Humidity of a series of years.

Rain.—Fell on 93 days, amounting to 48.132 inches. It was raining 419 hours, and was accompanied by thunder and lightning on 9 days, which shows a decrease of 1.609 inches, compared with the amount which fell in 1859, but an increase of 5.128 inches over the mean average of a series of years. The following table shows the monthly Fall of Rain in inches on the surface:

Inches.		Inches.		Inches.	
January	0.474	May	4.514	September	11.286
February	0.616	June.....	2.849	October	4.787
March.....	0.378	July	5.732	November	5.898
April	1.733	August.....	9.361	December	0.714

There were fewer storms of Thunder by 11 observed here compared with 1859. There were 62 cloudless days, giving 6 more compared with 1859, and 133 nights suitable for Astronomical purposes, which exceeds somewhat the average. A great storm of rain occurred on the 24th of August, and from 7h. 30m. A. M., to 8h. 30m. A. M., (1 hour), there fell 1.706 inch.

Snow—Fell on 55 days, amounting to 61.27 inches; it was snowing 285 hours 45 minutes, showing a decrease in the amount of snow of 33.33 inches compared with 1859, and a decrease of 34.49 inches compared with the mean average of a series of years.

The first snow of the season 1859–60, fell on the 20th October; the last fell on the 20th May, 1860. The first snow of the season 1860 fell on the 29th September.

Evaporation.—The amount of evaporation from the surface of water, during the six months for which observations are recorded, amounted to 17.71 inches, which exceeds by 2.42 inches the amount of the year 1859, and bears a remarkable co-incidence with the relative Humidity of the atmosphere.

Wind.—The most prevalent wind was the W., and the least prevalent the S. the total amount of horizontal movement in miles, was 44213.52 miles which is less by 15011.08 miles than the amount of 1859. The mean velocity was 5.04 miles per hour, which gives 1.15 miles less in velocity, compared with 1859. The following table show the monthly amount in miles: