

12.214 inches, and is the most rainy *July* on record. The amount of rain which fell in the month of August was less than the usual mean quantity for that month.

Snow fell on 46 days, amounting to 58.96 inches in depth; it was snowing 281 hours, 30 minutes; this amount shows a decrease equal to 36.80 inches compared with the mean amount of a series of years. February and December were the months which showed the greatest amount of snow. The first snow of the season fell on the 4th of November, and the last snow of spring fell on the 21st April.

Evaporation.—The amount of evaporation from the surface of water, during the seven months which the observations are recorded (owing to the presence of frost) amounted to 18.730 inches, which is 1.515 inches less than the amount of last year. July indicated about 1 inch less than the usual amount; the amount of ice evaporated during the remaining months of the winter season showed about the usual average amount.

Wind.—The most prevalent wind during the year was the N.E. by E. The next in frequency the W. by N., and the least prevalent the S. The aggregate amount linear in miles run was 41,338.60 miles, which shows a decrease of 13,086.50 miles compared with last year, and a decrease of 11,723.03 miles compared with 1856. The yearly mean velocity was 4.613 miles per hour, which is 1.567 miles less than the mean annual velocity for 1857. The maximum velocity was 37.70 miles per hour. January was the most windy month, and September the calmest.

The greatest *Intensity of the Sun's Rays* was 117° , and the lowest point of *terrestrial radiation*, $31^{\circ}.2$ below zero.

The yearly amount of *Dew* was considerably below the usual mean amount compared with a series of years.

There were 56 days perfectly cloudless, which is 25 more than the cloudless days of 1857. There were 118 nights suitable for astronomical purposes.

The Aurora Borealis was visible at observation hours on 39 nights. *Lunar Haloes* were seen on 4 nights. The *Zodiacal Light* was very bright in February, but since then has exhibited no special appearance. *Parhelia* were visible on 2 days.

The Eclipse of the Moon was *visible* on the 27th February. The Eclipse of the Sun was *invisible* on the 15th March owing to cloudy weather.