

129°8. *February* was the coldest *February* on record here, and indicated 14°05 colder than the mean of last February, 1857. The highest degree of temperature for the month was 39°·4, and the lowest 30°·2 below zero. The most sudden decrease of temperature occurred on the 18th of June, and indicated in twenty minutes a decrease of 17°·1; the thermometer standing at 3 p.m. at 93°8, and at 3.20 p.m. 76°·7. The mean temperature of the air for the month of January was 13°·76; for February, 7°·56; for March, 23°·52; for April, 39°·06; for May, 63°·02; for June, 67°·21; for July, 66°·50; for August, 66°·12; for September, 59°·13; for October, 46°·48; for November, 26°·78; and for December, 12°·37. July which has for a series of years indicated the greatest *mean* temperature showed this year 0°·71 less than the *mean* temperature of June. This was owing to the low temperature accompanying the excessive rain of the month of July.

*Humidity*.—The relative mean humidity of the atmosphere for the year (saturation being 1,000) 0.778. July indicated 0.074 of moisture more than the *mean* of a series of years. The mean humidity for the month of January was .786; for February, .703; for March, .789; for April, .717; for May, .764; for June, .756; for July, .818; for August, .818; for September, .804; for October, .792; for November, .809; and for December, .787. Complete saturation occurred in July, and is the only instance on record here of such an occurrence.

*Rain* fell on 111 days, amounting to 50,035 inches on the surface. It was raining 521 hours 33 minutes, and was accompanied by thunder and lightning on 20 days. This amount of rain exceeds by upwards of 7 inches the usual average amount compared with a series of years, and was owing to excessive rains in June and July.

A very heavy storm occurred on the 10th of June, which lasted 28 hours and 48 minutes, and amounted to 6.175 inches. There fell in one hour (from 5 to 6 p.m.) 0.933 inches, and from 6 p.m. to 7.28 p.m. the amount of 1.333 inches. The river surrounding this Island rose 8 inches in height.

Another storm of heavy rain set in at 3 a.m. on the 12th day of July, and ceased at 12.40 p.m. of the 13th, and indicated a depth of rain on the surface of 6.374 inches; it was accompanied by a N.E. by E. wind. The river in the neighborhood rose nearly 2 feet in perpendicular height, and the amount of rain which fell during this month was