

ST. MARTIN'S METEOROLOGICAL REGISTER, ST. MARTINS, ISLE JESUS, CANADA EAST, (NINE MILES WEST OF MONTREAL,) FOR THE MONTH OF AUGUST, 1861.

Latitude, 45 degrees 32 minutes North. Longitude, 73 degrees 36 minutes West. Height above the level of the Sea, 118 feet.

BY CHARLES SMALLWOOD, M.D., LL.D.

Day of Month.	Barometer—corrected and reduced to 32° F. (English inches.)			Temperature of the Air.—F.			Tension of Aqueous Vapour.			Humidity of the Atmosphere.			Direction of Wind.			Horizontal Movement in 24 hours. In miles.	OZONE. Mean amount of, in tenths.	RAIN. Amount of, in inches.	SNOW. Amount of, in inches.	WEATHER, CLOUDS, REMARKS, &c. &c. [A cloudy sky is represented by 10, a cloudless one by 0.]		
	6 a. m.	2 p. m.	10 p. m.	6 a. m.	2 p. m.	10 p. m.	6 a. m.	2 p. m.	10 p. m.	6 a. m.	2 p. m.	10 p. m.	6 a. m.	2 p. m.	10 p. m.					6 a. m.	2 p. m.	10 p. m.
	29	788	729	720	67.4	59.6	70.1	.584	.855	.536	.87	.62	.80	E. S. E.	E. S. E.					E. S. E.	5.60	2.0

REPORT FOR THE MONTH OF SEPTEMBER, 1861.

Day of Month.	Barometer—corrected and reduced to 32° F. (English inches.)			Temperature of the Air.—F.			Tension of Aqueous Vapour.			Humidity of the Atmosphere.			Direction of Wind.			Horizontal Movement in 24 hours. In miles.	OZONE. Mean amount of, in tenths.	RAIN. Amount of, in inches.	SNOW. Amount of, in inches.	WEATHER, CLOUDS, REMARKS, &c. &c. [A cloudy sky is represented by 10, a cloudless one by 0.]		
	6 a. m.	2 p. m.	10 p. m.	6 a. m.	2 p. m.	10 p. m.	6 a. m.	2 p. m.	10 p. m.	6 a. m.	2 p. m.	10 p. m.	6 a. m.	2 p. m.	10 p. m.					6 a. m.	2 p. m.	10 p. m.
	1	30.059	30.017	30.059	42.3	72.2	56.6	.247	.365	.368	.85	.47	.81	W. S. W.	W. S. W.					W. S. W.	32.10	2.0

REMARKS FOR AUGUST, 1861.

Barometer..... Highest, the 20th day, 30.190 inches.  
 Lowest, the 10th day, 29.420 "  
 Monthly Mean, 29.553 "  
 Range, 0.770 "  
 Thermometer... Highest, the 1st day, 90° 0.  
 Lowest, the 20th day, 46° 2.  
 Monthly Mean, 66° 8.4.  
 Monthly Range, 43° 8.  
 Greatest intensity of the Sun's rays, 103° 4.  
 Lowest point of Terrestrial radiation, -41° 7.  
 Amount of evaporation, 3.02 inches.  
 Mean of Humidity, .736.

Rain fell on 12 days, amounting to 1.950 inches; it was raining 12 hours and 31 minutes, and was accompanied by thunder on 5 days.  
 Most prevalent wind, the S. S. W.  
 Least prevalent wind, the N.  
 Most windy day the 14th day, mean miles per hour, 9.35.  
 Least windy day the 9th day, mean miles per hour, 0.42.  
 Aurora Borealis visible on 4 nights.  
 Solar Haloes visible on 3 days.  
 The Electrical state of the Atmosphere has indicated rather high intensity.

REMARKS FOR SEPTEMBER, 1861.

Barometer..... Highest, the 30th day, 30.299 inches.  
 Lowest, the 28th day, 29.276 "  
 Monthly Mean, 29.849 "  
 Monthly Range, 1.023 "  
 Thermometer... Highest, the 18th day, 79° 6.  
 Lowest, the 25th day, -25° 0.  
 Monthly Mean, 53° 06.  
 Monthly Range, 44° 6.  
 Greatest intensity of the Sun's rays, 97° 8.  
 Lowest point of terrestrial radiation, -32° 0.  
 Mean of humidity, .804.  
 Amount of Evaporation, 1.83 inches.

Rain fell on 9 days, amounting to 4.810 inches, it was raining 66 hours, 50 minutes, and Thunder was heard on 1 day.  
 Most prevalent wind, S. S. E.  
 Least prevalent wind, E.  
 Most windy day, the 21st day; mean miles per hour, 21.60.  
 Least windy day, the 17th day; mean miles per hour, 0.02.  
 Aurora Borealis visible on 5 nights. On 2 nights the Magnetic disturbance was considerable during its apparition.  
 The Electrical state of the Atmosphere has indicated feeble intensity.  
 First Frost occurred on the 5th day.  
 Solar Haloes seen on 2 days.