

MONTHLY METEOROLOGICAL REGISTER, ST. MARTINS, ISLE JESUS, CANADA EAST, (NINE MILES WEST OF MONTREAL,) FOR THE MONTH OF AUGUST, 1862.

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.
29.914	29.894	29.831	60.1	85.1	72.0	.456	.775	.601	.88	.68	.78	N. E. by E.	N. E. by E.	S. by E.	60.00	2.0		Hazy.				
794	763	832	60.1	89.0	68.5	.456	.804	.642	.88	.64	.62	W. S. W.	S. W.	S. by W.	22.80	2.5		Fog.				
853	818	814	65.1	92.0	73.3	.553	.703	.617	.94	.51	.77	S. by E.	S. S. W.	S. S. W.	2.80	2.5		Fog.				
797	743	832	68.1	93.6	70.5	.543	.753	.705	.70	.43	.54	S. by W.	S. by E.	S. S. W.	64.26	1.0		Cirr.	2.			
650	615	724	70.1	80.0	70.1	.592	.802	.657	.85	.57	.77	S. by W.	S. S. W.	N. N. E.	142.70	2.0		Cirr. Str.	2.			
803	859	796	61.1	79.2	64.3	.396	.663	.603	.70	.67	.64	N. N. E.	N. N. E.	N. N. E.	50.50	1.5		Cirr.				
30.005	836	830	57.6	80.1	69.0	.378	.923	.572	.81	.64	.81	E. by N.	S. S. E.	S. S. E.	51.00	2.0		Cirr.				
29.841	840	834	61.1	79.8	72.1	.430	.850	.631	.91	.85	.79	S. W.	S. S. W.	S. S. W.	168.80	2.0	0.763	Cu. Str.	10.			
827	514	469	63.7	89.9	73.0	.409	.942	.624	.70	.63	.79	W. by N.	S. S. W.	W. S. W.	99.70	1.0		Cu. Str.				
232	735	779	63.9	85.6	69.3	.510	.643	.485	.75	.43	.72	S. S. W.	S. W.	W.	90.30	1.0		Cirr. Str.	10.			
745	796	624	62.4	83.4	72.1	.376	.778	.496	.69	.59	.64	S. W.	S. W.	S. W.	90.20	1.5		Cu. Str.				
685	714	806	63.3	81.6	57.0	.457	.738	.357	.69	.69	.78	S. W.	W.	W. by S.	280.80	1.0		Cu. Str.				
933	885	921	51.4	73.3	60.2	.252	.558	.374	.63	.62	.72	W.	S. W.	S. W.	1.00	1.0		Cu. Str.				
730	667	646	58.4	75.7	64.2	.336	.454	.347	.75	.56	.88	S. W.	S. W.	S. W.	137.50	2.0		C. C. Str.	10.			
666	645	706	49.1	73.2	59.0	.285	.624	.439	.85	.70	.88	S. W.	W. by N.	W.	295.60	2.5	0.161	Cirr. Str.	10.			
899	875	957	43.2	71.1	54.2	.272	.509	.308	.78	.63	.74	W.	W.	W.	129.90	1.0		Cu. Str.				
30.101	30.094	30.058	43.1	74.2	61.6	.209	.370	.406	.75	.47	.74	W. S. W.	W. S. W.	S. W.	56.40	1.5		Light frost.				
29.900	29.837	29.751	51.4	79.2	65.0	.270	.612	.273	.72	.62	.83	S. W.	S. W.	S. W.	39.60	1.5	Inapp.	C. C. Str.	4.			
797	30.000	530	61.8	78.2	64.0	.390	.620	.404	.74	.65	.77	S. W.	S. W.	S. W.	63.20	1.0		Cu. Str.				
841	29.853	923	60.4	82.2	65.1	.426	.610	.433	.82	.56	.78	S. W.	S. W.	S. W.	84.20	1.5		C. C. Str.	8.			
962	800	923	61.4	71.6	64.1	.296	.365	.464	.79	.47	.77	N. E. by E.	N. E. by E.	N. by E.	128.70	2.0	0.160	C. C. Str.	10.			
656	541	558	60.1	69.2	70.1	.437	.635	.537	.94	.90	.77	N. E. by E.	N. E. by E.	S. by W.	149.10	3.0	0.661	Rain.				
566	30.100	922	64.2	74.6	53.3	.404	.577	.251	.77	.64	.68	S. W.	S. W.	W. by N.	262.24	2.0	Inapp.	Cum. Str.	4.			
30.140	110	30.077	43.8	74.1	51.2	.209	.396	.314	.75	.43	.86	W. by N.	S. W.	S. W.	82.40	1.5		Frost.				
29.918	29.780	29.725	47.2	77.2	70.1	.273	.689	.516	.85	.69	.70	S. W.	S. W.	S. W.	134.60	1.0		Cu. Str.	10.			
691	644	710	67.9	77.2	67.8	.516	.689	.558	.77	.69	.84	S. by W.	S. by W.	S. W.	51.20	1.5	Inapp.	C. C. Str.	10.			
750	730	731	52.1	76.2	54.2	.334	.577	.308	.86	.64	.74	N. E. by E.	N. E. by E.	S. by E.	72.50	1.5		Cu. Str.	4.			
694	613	446	60.2	72.1	62.2	.456	.631	.449	.88	.81	.85	S. E.	S. by E.	S. by E.	10.00	1.0	Inapp.	C. C. Str.	10.			
625	693	750	51.1	60.3	53.0	.296	.255	.321	.79	.49	.80	W. by N.	W. by N.	W. by N.	310.40	1.0		Cu. Str.				
30.030	30.010	971	40.1	70.0	56.2	.182	.516	.363	.73	.70	.81	W. by N.	S. W.	S. W.	140.40	1.5		Frost.				
29.837	29.806	654	52.0	80.6	62.2	.315	.711	.429	.83	.63	.77	S. W.	S. W.	S. W.	155.00	1.5		Cu. Str.				

REPORT FOR THE MONTH OF SEPTEMBER, 1862.

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.
29.346	29.204	29.214	60.1	64.2	63.2	.487	.529	.543	.94	.89	.94	S. W.	S. W.	S. W.	201.90	3.0	0.976	Rain.				
347	564	797	49.1	55.2	45.2	.297	.263	.206	.85	.64	.69	S. W.	W.	W. by N.	325.58	1.5		Cu. Str.	8.			
893	826	30.022	40.1	60.1	45.0	.203	.433	.385	.82	.63	.80	W. by N.	W. by N.	W.	63.20	1.5		Frost.				
902	830	29.830	50.0	63.4	70.4	.290	.597	.636	.82	.53	.80	S. S. W.	S. W.	S. W.	109.40	1.0		C. C. Str.	9.			
821	772	840	70.2	77.2	70.1	.582	.841	.621	.83	.91	.85	S. W.	S. W.	W.	116.60	2.0	Inapp.	C. Cum.	4.			
811	798	890	57.1	37.7	54.0	.436	.459	.396	.94	.97	.96	N. E. by E.	N. E. by E.	N. E. by E.	237.20	3.0		Rain.				
797	656	710	47.4	60.2	61.1	.311	.509	.449	.93	.81	.83	N. E. by E.	N. E. by E.	S. by E.	92.20	2.0	0.130	Cu. Str.	10.			
649	534	611	69.2	81.0	63.2	.671	.751	.478	.95	.72	.83	N. E. by E.	S. W.	W.	202.90	2.5	0.587	Rain.				
937	893	30.037	58.1	72.4	56.0	.400	.631	.363	.84	.31	.81	E. by E.	S. W.	W.	203.10	1.0		Cu. Str.				
30.047	80.619	925	56.2	70.7	63.2	.290	.606	.577	.82	.60	.85	W.	S. W.	S. W.	18.60	1.0		"				
29.934	29.804	29.863	50.1	64.7	67.2	.309	.377	.490	.85	.49	.77	W.	W.	S. W.	7.50	1.5		"				
747	720	816	65.1	74.1	62.1	.549	.436	.461	.89	.53	.88	W. by W.	W.	N. N. E.	136.50	1.5	0.110	C. C. Str.	4.			
30.044	30.014	30.134	60.4	68.4	50.0	.306	.356	.253	.76	.53	.80	N. E. by E.	N. E. by E.	N. E. by E.	249.40	1.0		Cu. Str.				
30.241	150	030	45.2	69.1	54.2	.251	.543	.395	.94	.79	.80	N. E. by E.	N. E. by E.	N. E. by E.	68.50	1.0		Cirr. Str.	10.			
20.938	29.934	29.933	54.1	64.0	53.0	.335	.497	.321	.80	.63	.80	W.	W.	W.	0.80	1.0	0.304	C. C. Str.	4.			
30.050	30.000	30.004	45.0	66.1	53.0	.251	.400	.323	.84	.61	.83	W.	W.	W.	6.80	1.5		Cu. Str.				
29.951	29.984	29.976	42.0	65.4	56.3	.244	.443	.354	.91	.65	.87	W.	W.	N. E. by E.	102.80	1.5		Fog.				
704	575	700	58.7	71.3	69.1	.393	.537	.571	.80	.71	.82	W.	W.	W.	139.20	1.0		Cu. Str.	4.			
736	735	937	64.0	70.9	59.2	.480	.571	.410	.81	.84	.82	W.	W.	W.	60.10	1.5	Inapp.	C. C. Str.	8.			
970	940	816	39.1	79.4	63.0	.185	.386	.491	.82	.87	.88	W.	W.	W.	19.30	1.5		Cu. Str.				
30.043	30.027	30.106	43.1	72.0	50.2	.235	.496	.290	.85	.64	.82	W.	W.	W.	24.10	1.0		"				
30.047	29.910	29.926	42.1	78.2	62.1	.222	.671	.466	.83	.71	.85	S. by E.	S. by W.	W.	41.10	2.0		"				
29.870	675	650	44.4	85.2	63.4	.202	.557	.543	.74	.54	.79	S. S. W.	S. by W.	W.	58.00	2.5		"				
612	739	839	54.2	65.6	45.0	.341	.642	.253	.83	.87	.88	N. W.	S. W.	S. W.	118.20	2.5	0.164	Rain.				
430	789	832	44.2	67.9	50.0	.224	.431	.391	.79	.66	.87	W.	S. W.	S. W.	30.30	1.0		C. C. Str.	10.			
819	797	863	45.1	73.0	60.1	.223	.476	.439	.76	.59	.88	W.	S. W.	S. W.	103.40	1.5		"				
855	847	564	57.0	83.4	64.0	.413	.597	.497	.80	.53	.83	W.	S. W.	S. W.	143.19	1.0		"				
805	712	741	54.1	78.6	64.2	.302	.619	.437	.87	.64	.83	W.	N. E. by E.	N. E. by E.	10.70	1.5		Cu. Str.	4.			
704	654	842	56.0	68.6	54.1	.393	.463	.362	.90	.71	.87	W.	N. E. by E.	N. E. by E.	39.80	1.5		C. C. Str.	10.			
29	972	30.071	39.1	44.2	34.0	.261	.157	.162	.91	.55	.87	N. E. by E.	N. E. by E.	S. by E.	105.90	2.5		Cirr. Cum.	4.			

REMARKS FOR AUGUST, 1862.

Barometer Highest, the 24th day, 30.140 inches.
 Lowest, the 28th day, 29.448 " "
 Monthly Mean, 29.792 " "
 Monthly Range, 0.694 " "
 Thermometer... Highest, the 4th day, 83° 6.
 Lowest, the 24th day, 34° 0.
 Monthly Mean, 65° 6.
 Monthly Range, 59° 6.
 Greatest intensity of the Sun's rays, 105° 3.
 Lowest point of Terrestrial radiation, 31° 2.
 Mean of Humidity, 727.
 Amount of Evaporation, 2.07 inches.
 Rain fell on 9 days amounting to 1.425 inches; it was raining

15 hours and 40 minutes.
 Most prevalent wind, S. W.
 Least prevalent wind, the N. by E.
 Most windy day the 29th day, mean miles per hour, 12.92.
 Least windy day the 13th day, mean miles per hour, 0.04.
 Aurora Borealis visible on 6 nights.
 Comet visible.
 The Electrical state of the Atmosphere has been marked by Moderate Intensity.
 Temperature of Thermometer in ground, 65° 0.
 Solar Halo on the 21st day.
 Frost on 4 mornings.

REMARKS FOR SEPTEMBER, 1862.

Barometer Highest, the 21st day, 30.106 inches.
 Lowest, the 1st day, 29.204 " "
 Monthly Mean, 29.852 " "
 Monthly Range, 0.902 " "
 Thermometer... Highest, the 14th day, 84° 9.
 Lowest, the 3rd day, 32° 2.
 Monthly Mean, 59° 45.
 Monthly Range, 52° 7.
 Greatest intensity of the Sun's rays, 98° 0.
 Lowest point of Terrestrial radiation, 30° 1.
 Mean of Humidity, 791.
 Amount of Evaporation, 1.38 inches.
 Rain fell on 9 days, amounting to 3.533 inches; it was raining

64 hours.
 Most prevalent wind, S. W.
 Least prevalent wind, S.
 Most windy day, the