

Monthly Meteorological Register, St. Martin, Isle Jerus, Canada East.—October 1857,  
NINE MILES WEST OF MONTREAL.

BY CHARLES SMALLEWOOD, M.D.

Latitude—45 deg. 32 min. North. Longitude—73 deg. 36 min. West. Height above the Level of the Sea—118 Feet.

Day	Barom. corrected and reduced to 32° Fahr.		Temp. of the Air.		Tension of Vapor.		Humidity of Air.		Direction of Wind.			Velocity in Miles per Hour.			Rain	Weather, &c.	
	6 A.M.	2 P.M.	6 A.M.	2 P.M.	6 A.M.	2 P.M.	6 A.M.	2 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.
	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.	inches	6 A.M.	2 P.M.	10 P.M.
1	29.654	29.697	29.699	57.0	60.4	60.8	.468	.404	.99	S b E	S b E	8.37	0.92	2.86	1.811	Rain.	Cum. Str. 10.
2	.468	.480	.422	57.6	68.0	62.0	481	580	98	S b E	S b E	7.50	6.60	0.31	2.530	Do.	Rain.
3	.272	.281	.296	57.1	66.1	60.0	473	574	96	N E b E	S b E	11.13	6.23	7.21	0.213	Cir. Str. 10.	Cir. Str. 6. Auro.
4	.451	.380	.416	56.8	61.0	68.7	455	520	95	N W	N W	1.00	6.13	6.13	0.032	Do. 6.	Str. 9. [Bar.
5	.480	.638	.656	56.2	68.1	63.0	475	582	84	S b W	S b E	9.51	5.68	0.63	...	Do. 5.	Clear.
6	.492	.292	.192	57.7	69.4	60.2	447	634	89	S	S	1.11	2.31	17.30	...	Do. 10.	Rain.
7	.621	.616	.634	40.2	60.7	42.0	246	266	80	S W	S W	22.80	9.60	4.67	0.361	Cir. Str. 5.	Clear.
8	.719	.688	.776	38.0	65.2	42.2	226	331	92	S W	S W	8.93	3.90	2.48	...	Do. 4.	Clear.
9	.770	.735	.797	34.0	69.4	46.1	204	462	95	S b W	S b W	0.73	3.63	2.70	0.200	Str. 2.	Rain.
10	.992	30.002	30.084	32.6	60.0	41.1	263	338	89	N W	N W	2.93	2.23	1.40	...	Cir. Str. 4.	Clear. Aurora E.
11	.803	29.644	29.716	38.0	61.3	44.0	227	389	73	N W	S b E	1.35	11.83	17.40	0.300	Do.	Cir. Cum. Str. 4. Rain.
12	.704	.755	.753	40.3	42.9	41.1	274	263	91	N W	N W	6.30	4.07	7.32	1.643	Rain.	Do.
13	.689	.489	.526	69.8	67.7	63.0	386	422	89	N E b E	N E b E	6.09	21.14	16.10	0.600	Rain.	Do.
14	.789	.741	.729	40.1	62.3	38.6	260	274	91	S S E	S S E	5.26	1.47	7.07	0.121	Clear.	Cir. Str. 10.
15	.714	.748	.689	63.0	60.1	42.3	214	261	98	N E b N	N E b N	3.72	6.02	1.60	...	Do.	Do.
16	.719	.891	.940	39.1	61.4	38.7	210	274	81	N W	N W	5.92	13.00	8.42	...	Do. 4.	Do. 8. Aurora B
17	.992	.883	.847	31.0	47.7	36.3	161	214	91	N W	S S W	4.93	5.11	6.50	...	Clear.	Cir. Str. 10.
18	.737	.742	.795	41.0	48.2	46.8	263	281	80	N W	S S W	7.65	.72	0.21	0.110	Cir. Str. 10.	Do. 10.
19	.810	.657	.730	40.0	65.9	47.8	254	450	93	N W	S b W	0.21	0.22	0.87	...	Clear.	Clear.
20	.755	.732	.836	46.0	65.0	51.1	313	440	81	S S W	S b W	1.26	2.06	0.58	...	Do.	Do.
21	.804	.664	.560	47.1	66.1	44.0	262	323	83	N E	N E b N	8.21	16.06	16.46	...	Clear.	Cum. Str. 10.
22	.674	.762	.720	46.0	60.1	41.6	271	264	81	N W	N W	16.42	16.62	17.32	...	Do. 8.	Do. 8.
23	.784	.767	.777	34.5	42.1	37.0	178	225	90	N W	S b S	6.25	3.03	1.56	...	Cir. Str. 10.	Do. 10.
24	.870	.698	.688	30.6	33.2	32.0	161	197	96	N W	N E b N	0.11	4.30	17.82	...	Snow.	Do. 10.
25	.850	.612	.606	32.6	39.4	32.2	196	214	97	N W	N W	6.16	4.90	14.92	0.900	Cir. Str. 10	Do. 10.
26	.783	.740	.680	30.6	40.9	36.0	178	207	94	N W	S S E	18.12	4.90	4.93	...	Do. 6.	Do. 6.
27	.493	.416	.397	30.2	45.2	40.0	231	272	86	S b E	S W	10.15	2.21	10.83	0.090	Rain.	Do. 4.
28	.290	.451	.534	32.1	40.0	36.0	182	191	91	N W	N W	8.11	11.82	9.35	...	Cir. Cum. Str. 10.	Do. 10.
29	.846	.870	.697	32.2	43.1	38.1	101	216	97	N W	S b E	22.51	5.75	4.33	...	Str. 2.	Cir. Str. 4.
30	.449	.565	.331	29.1	52.9	35.6	246	201	83	N W	N W	4.67	22.40	16.18	0.003	Clear.	Cir. Cum. Str. 4.
31	30.450	40.101	.896	23.0	49.1	37.0	163	231	86	N W	S S E	0.83	1.92	0.92	...	Clear.	Meteor. 8.40 p.m.

Barometer ...	Highest, the 31st day	Lowest, the 6th day	Monthly Mean	Range
	30.150	28.192	29.695	0.958
	73.0	27.6	48.35	45.6
	84.9	107.6	21.0	

Rain fell on 17 days, amounting to 8.728 inches, raining 98 hours, 35 minutes.  
Snow fell on 1 day, amounting to 2.10 inches, snowing 14 hours 0 minutes.  
Most prevalent Wind, W.S.W. Least prevalent Wind, E.  
Most Windy Day, the 19th; mean miles per hour, 16.45.  
Least Windy Day, the 13th; mean miles per hour, 0.43.  
Aurora Borealis visible on 3 nights. Might have been seen on 6 nights.  
Lunar Halo on the 24th day, at 2.30 a. m. Diam 31.4.  
Eclipse of the Moon, invisible, owing to cloudy weather.  
Sum of the Atmospheric Currents in Miles passed into the Cardinal Points, N. 791.60;  
S. 995.20; E. 741.46; W. 1366.37; Total 4481.62 miles.  
The electrical state of the atmosphere has been marked by very feeble intensity.  
Ozone was in rather large quantity, amounting on several days to complete saturation.  
This is the most windy October on record here. Maximum Velocity 32.14 miles per hour.

Thermometer  
Highest, the 6th day  
Lowest, the 31st day  
Monthly Mean  
Range  
Mean Humidity

Greatest Intensity of the Sun's Rays  
Lowest Point of Terrestrial Radiation  
Amount of Evaporation, 1.40 inches.