

MONTHLY METEOROLOGICAL REGISTER, SAINT MARTIN'S, ISLE JESUS, CANADA EAST, (NINE MILES WEST OF MONTREAL,) FOR THE MONTH OF JANUARY, 1857.

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.

	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.			Mean Velocity in Miles per hour.			Amount of Rain in inches.	Amount of Snow in inches.	Weather, Clouds, Remarks, &c., &c.			
	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.			[A cloudy sky is represented by 10, a cloudless one by 0.]			
1	30.142	29.963	30.199	18°9	20°2	21°3	·001	·135	·059	·80	·83	·73	N. E. by E.	E. N. E.	N. E. by E.	2.05	2.21	3.60			Cum. Str. 10.	Cum. Str. 10.	Cirr. C. Str. 10.	
2	177	30.005	003	18°2	24°2	18°5	·088	·091	·088	·72	·63	·72	N. E. by E.	E. N. E.	E. by S.	0.60	1.02	7.12			Cirr. C. Str. 6.	" " 8.	Cum. Str. 10.	
3	29.913	29.527	29.585	18°1	25°0	21°0	·088	·125	·086	·73	·80	·64	S. by E.	N. E. by E.	N. E.	11.95	7.03	14.26	4.10		Snow.	Snow.	" " 10.	
4	734	863	921	18°6	20°3	11°2	·110	·101	·077	·85	·77	·83	W. N. W.	W. N. W.	N. W.	11.86	9.62	15.30		Inapp.	Cum. Str. 2.	Cum. Str. 10.	" " 2.	
5	923	923	30.064	3°5	2°6	7°1	·033	·046	·028	·83	·84	·82	W. N. W.	W. by N.	W. by N.	22.60	11.63	10.37			Clear.	Clear.	Clear.	
6	30.052	913	29.991	13.9	3.0	6.5	·023	·036	·029	·98	·85	·86	W. N. W.	W. N. W.	W. by N.	19.05	13.52	14.01			Clear.	Clear.	Cirr. 2.	
7	29.961	840	942	15.1	1.7	9.7	·019	·035	·029	·83	·81	·86	W. by N.	W.	W. N. W.	17.85	13.47	25.03		Inapp.	Cum. Str. 4.	Cirr. Cum. Str. 4.	Cirr. C. Str. 6. Lunar Halo.	
8	30.052	30.053	30.108	14.0	3.5	13.0	·016	·032	·021	·63	·70	·74	W. S. W.	W. S. W.	W.	26.71	3.83	9.06			Clear.	Clear.	Clear.	
9	29.890	29.607	29.604	13.5	5.0	10.6	·023	·053	·064	·81	·80	·80	S. W.	N. W. by W.	W. S. W.	10.96	2.15	3.70		Inapp.	Cum. Str. 10.	Slight Snow.	Cum. Str. 10.	
10	538	506	591	10.4	25.0	11.6	·064	·127	·075	·84	·83	·84	W. by S.	S. S. E.	N. E. by E.	1.61	0.11	6.77		Inapp.	" " 10.	Cirr. Str. 10.	Snow.	
11	712	683	752	2.7	6.8	4.8	·047	·059	·036	·84	·92	·84	N. E.	N. W.	W. by N.	24.25	0.00	12.40			" " 10.	Cum. Str. 6.	Cirr. C. Str. 4.	
12	907	844	927	4.2	8.5	11.0	·033	·035	·075	·84	·81	·91	W.	W.	W. by S.	6.53	19.07	12.42			Str. 8.	Clear.	Cum. Str. 10.	
13	718	684	663	11.5	21.4	18.5	·075	·115	·101	·94	·94	·91	W. S. W.	S. W.	S. W.	14.30	9.60	2.15		Inapp.	Cum. Str. 10.	C. Str. 10.	" " 10.	
14	666	794	854	14.0	17.4	7.0	·083	·096	·054	·86	·84	·79	N. W. by N.	N. E.	N. E.	7.81	4.91	3.05			" " 10.	Cir. C. Str. 6.	" " 10.	
15	906	954	30.163	2.0	1.5	6.4	·046	·044	·034	·84	·85	·89	N.	W. by N.	W. S. W.	5.12	5.41	8.37			" " 9.	Clear.	Clear Zodiacal Light.	
16	30.140	926	29.756	8.9	15.9	11.2	·032	·081	·075	·88	·84	·90	W.	S. W. by W.	S. S. W.	9.10	4.83	0.15			" " 10.	Cum. Str. 10.	Snow.	
17	29.533	810	30.171	15.5	1.2	18.5	·081	·038	·016	·86	·83	·80	W. by S.	N. by E.	N. by E.	8.75	18.07	12.92	0.70		Snow.	Clear.	Clear Zodiacal Light.	
18	30.431	30.400	195	31.8	5.6	17.5	0.10	·027	·017	·81	·77	·81	N. W.	S. W. by W.	N. E.	3.50	1.15	0.03			Clear.	Clear.	Cirr. Str. 10.	
19	29.984	29.591	29.534	15.2	10.3	8.5	·019	·071	·065	·85	·90	·93	N. E. by E.	N. E. by E.	W. S. W.	18.16	15.05	13.63	1.60		Cum. Str. 6.	Snow.	Snow.	
20	722	736	741	5.1	6.5	5.3	·031	·059	·059	·82	·79	·81	W. N. W.	N. W.	N. E.	14.92	3.37	4.80			Clear.	Cirr. Str. 10.	Cum. Str. 10.	
21	556	634	651	3.0	29.7	16.1	·049	·155	·084	·82	·90	·84	N. N. W.	W.	W.	6.90	8.35	4.66	0.70		Cum. Str. 10.	" " 10.	Clear Zodiacal Light.	
22	677	577	817	3.5	9.0	23.5	·086	·024	·012	·82	·78	·75	W. N. W.	W. N. W.	W. N. W.	13.63	12.43	23.22			Cirr. 4.	Light Cirr.	" " "	
23	829	898	913	29.6	21.1	25.3	·008	·014	·011	·68	·65	·73	W. N. W.	W. N. W.	W. S. W.	26.29	13.03	10.55			Cum. Str. 10.	" " 2.	" " "	
24	976	982	944	29.6	3.3	9.4	·008	·029	·024	·70	·68	·69	W. S. W.	S. E. by S.	N. E. by N.	1.75	4.60	1.33			" " 4.	Cum. Str. 10.	Cirr. Str. 10.	
25	30.054	30.144	30.329	21.2	3.3	5.4	·013	·063	·051	·77	·90	·82	E. by N.	W. S. W.	S. S. E.	1.40	2.17	0.62			Clear.	" "	Clear Zodiacal Light.	
26	450	214	029	17.6	8.0	12.6	·019	·089	·078	·89	·87	·90	S.	S. E. by S.	S. S. E.	7.06	2.30	11.22			Clear.	" " "	Cum. Str. 10.	
27	29.850	874	163	12.6	27.9	20.1	·078	·147	·103	·91	·94	·89	S. W.	W.	W. S. W.	12.42	0.00	0.52		Inapp.	4.50	Snow.	Slight Rain.	Clear Zodiacal Light.
28	30.430	30.314	244	9.4	27.9	18.0	·063	·147	·094	·90	·89	·85	E. by N.	E. N. E.	E. N. E.	2.82	0.20	3.32			Clear.	Cum. Str. 2.	" " "	
29	932	29.989	071	8.1	25.9	16.1	·065	·132	·084	·89	·87	·84	E. N. E.	S. W. by W.	W. by N.	6.32	1.08	3.12			Cum. Str. 10.	" " 10.	" " "	
30	841	30.305	303	1.0	11.0	6.0	·044	·059	·029	·86	·70	·82	N. E. by E.	N. E. by E.	E. N. E.	5.53	3.77	3.80			Clear.	Clear.	" " "	
31	131	29.624	29.597	7.1	11.4	9.0	·028	·069	·067	·85	·80	·89	N. E. by E.	N. E. by E.	N. E. by E.	20.21	20.10	18.10	7.20		Cum. Str. 10.	Snow.	Snow.	

REMARKS FOR JANUARY, 1857.

Barometer. { Highest, the 18th day, 30.431 inches.  
 Lowest, the 10th day, 29.506 inches.  
 Monthly Mean, 29.915 inches.  
 Monthly Range, 0.925 inches.  
 Thermometer. { Highest, the 28th day, 27° 9.  
 Lowest, the 18th day, 31° 8.  
 Monthly Mean, 4° 03.  
 Monthly Range, 59° 7.

Greatest intensity of the Sun's rays, 78° 4.  
 Lowest point of Terrestrial Radiation, -33° 4.  
 Mean of Humidity, 849.  
 Rain fell on one day inappreciable in amount.  
 Snow fell on 11 days amounting to 19.10 inches. It was snowing 64 hours 50 minutes.  
 The Aurora Borealis was not visible at observation hour this month.  
 The Electrical state of the atmosphere has indicated a constant high tension. Ozone was in small quantity.