

Monthly Meteorological Registers, Quebec, Canada East, October, 1854.

BY LIEUT. A. NOBLE, R.A., AND MR. W. CAMPBELL.

Latitude, 46 deg. 40.2 min. North; Longitude, 71 deg. 16 min. West. Elevation above the level of the Sea, — Feet.

Date	Barometer corrected and reduced to 32 degrees, Fahr.			Temperature of Air.			Elasticity of Air.			Humidity of Air.			Direction of Wind.			Velocity of Miles.			Rain in Inch.	Snow in Inch.	REMARKS.				
	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.							
	MEAN.			MEAN.			MEAN.			MEAN.															
1	29.821	29.542	29.542	40.9	48.1	47.0	45.6	0.184	0.268	0.326	0.299	81	81	81	S W	S W	Calm.	3.8	3.8	0.0	1.00				
2	29.262	29.430	29.470	45.4	55.8	47.8	49.7	0.230	0.147	0.210	0.196	77	30	61	57	W	W	W	6.2	10.1	8.0	...		2nd. Faint Auroral Light, visible at 11, p.m.	
3	29.489	29.426	29.417	41.0	60.3	50.1	50.5	0.204	0.245	0.334	0.261	80	48	94	74	Calm.	S W	S W	0.0	11.3	12.4	1.12			
4	29.113	29.000	29.020	52.0	57.4	47.0	52.2	0.359	0.380	0.271	0.337	94	83	85	87	S	S W	S W	7.2	11.3	12.4	1.11			
5	29.587	29.600	29.621	39.3	45.2	36.5	40.3	0.178	0.151	0.161	0.160	75	61	71	66	W	W	W	7.2	15.2	8.0	...			
6	29.921	29.846	29.848	37.1	35.8	59.0	61.5	0.188	0.255	0.381	0.245	90	54	63	73	Calm.	W	W	0.0	6.2	3.8	...		6th. Lunar Halo, 30° in diameter, visible at 10, p.m.	
7	29.832	29.730	29.834	47.8	63.5	68.4	56.7	0.278	0.337	0.332	0.316	85	59	69	71	Calm.	W	W	0.0	7.2	0.0	...			
8	29.077	29.224	29.000	44.5	51.3	48.0	48.9	0.175	0.172	0.225	0.191	60	41	68	56	N W	E b N	E b N	2.0	3.8	2.0	0.1			
9	29.784	29.812	29.895	42.4	46.1	44.0	43.8	0.198	0.228	0.236	0.221	74	76	83	78	N E	N E	N E	13.4	10.1	10.1	...			
10	29.785	29.666	29.541	33.5	35.5	42.0	46.0	0.138	0.160	0.173	0.157	49	42	66	52	N E	N E	S	0.0	8.0	0.0	0.50			
11	29.549	29.487	29.516	52.1	46.6	41.4	46.4	0.383	0.284	0.239	0.302	100	94	93	96	S E	N E	N E	3.8	20.2	16.0	1.10		11th. Hoar Frost, 6, a.m.	
12	29.783	29.889	29.850	38.1	40.4	42.5	38.6	0.256	0.162	0.204	0.207	91	60	87	79	S W	N E	S W	3.8	11.3	13.4	0.1		12th. Higher stratum of clouds moving from West. Lower stratum moving with the wind.	
13	29.714	29.628	29.609	51.7	39.3	44.5	43.6	0.223	0.250	0.260	0.244	94	80	93	91	E N E	E N E	E N E	10.1	11.3	12.4	0.4			
14	29.248	29.051	29.118	41.0	41.8	41.6	41.4	0.231	0.236	0.228	0.232	91	90	88	90	E N E	E N E	E N E	13.0	16.9	3.8	3.7			
15	29.982	29.972	29.905	40.6	40.7	39.5	38.6	0.246	0.205	0.132	0.134	98	88	89	92	W S W	S W	S W	8.0	10.1	10.1	0.09		16th. Snowed during 2 hours.	
16	29.462	29.522	29.635	54.0	35.2	41.0	38.0	0.160	0.181	0.205	0.182	79	71	91	91	W	Calm.	W	6.2	0.0	7.2	...			
17	29.742	29.634	29.725	70.0	38.5	49.6	35.9	0.178	0.177	0.135	0.163	77	66	65	79	Calm.	S W	W	0.0	2.0	2.0	...		18th. A fine display of Aur.	
18	29.832	29.912	29.908	0.17	82.5	43.5	36.8	0.128	0.160	0.193	0.160	70	57	92	73	N W	W	W	10.1	10.1	10.2	...		19th. Snowing 2.5 hours.	
19	29.066	29.107	29.096	30.090	32.4	40.8	39.3	0.226	0.234	0.232	0.231	95	81	86	87	W	Calm.	W	5.2	8.0	0.0	0.4			
20	29.092	29.116	29.100	30.103	32.0	44.3	42.7	0.261	0.264	0.232	0.232	81	86	87	73	S W	S S W	W	2.0	3.8	3.8	...			
21	29.072	29.012	29.101	30.082	39.9	62.4	42.3	0.218	0.238	0.196	0.217	89	62	74	76	W	Calm.	W	0.0	0.0	0.0	...			
22	29.019	29.030	29.020	30.053	36.2	41.4	40.0	0.169	0.145	0.168	0.161	94	56	69	73	N E	E	E	12.4	10.0	10.0	...			
23	29.073	29.110	29.107	30.097	46.6	55.1	47.1	0.199	0.180	0.212	0.200	81	52	63	65	Calm.	Calm.	Calm.	0.0	0.0	0.0	...			
24	29.143	29.049	29.094	30.062	42.4	49.1	50.2	0.252	0.270	0.243	0.255	80	64	76	73	Calm.	S W	Calm.	0.0	0.0	0.0	...			
25	29.050	29.012	29.000	30.021	45.6	63.0	50.2	0.218	0.278	0.293	0.263	82	81	81	81	N E	S S E	S S E	3.8	3.8	5.2	...			
26	29.033	29.003	29.074	30.093	45.8	62.3	52.6	0.288	0.233	0.340	0.287	95	33	91	76	W S W	S S W	W	6.2	3.8	0.0	...			
27	29.031	29.876	29.815	80.5	29.872	47.0	64.2	0.304	0.414	0.303	0.340	100	76	78	85	W S W	S W	W	8.0	6.2	2.0	...			
28	29.031	29.876	29.815	80.5	29.872	47.0	64.2	0.261	0.391	0.398	0.351	83	67	92	81	Calm.	W S W	Calm.	0.0	2.0	0.0	0.75			
29	29.031	29.876	29.815	80.5	29.872	47.0	64.2	0.428	0.327	0.393	0.416	97	99	95	97	Calm.	N E	N E	0.0	3.8	11.5	4.4			
30	29.031	29.876	29.815	80.5	29.872	47.0	64.2	0.320	0.352	0.470	0.384	100	94	97	97	N E	Calm.	S W	11.5	0.0	12.4	8.0			
31	29.772	29.735	29.731	29.736	42.17	50.16	45.79	0.231	0.247	0.258	0.245	84	68	82	78				3.10	7.21	5.76	6.98	...		

Maximum Barometer, 6 a.m. of 23rd ..... 30.195  
 Minimum Barometer, 2 p.m. of 10th ..... 28.972  
 Monthly Range ..... 1.223  
 Monthly Mean ..... 29.746  
 Maximum Thermometer on the 7th ..... 64.7  
 Minimum Thermometer on the 18th ..... 31.0  
 Monthly Range ..... 33.1  
 Mean Maximum Thermometer ..... 61.6  
 Mean Minimum Thermometer ..... 39.1  
 Mean Daily Range ..... 12.5  
 Mean Monthly Temperature ..... 46.06  
 Greatest Daily Range of Thermometer on 6th ..... 29.1  
 Least Daily Range of Thermometer on 16th ..... 29.0  
 Warmest Day, 7th. Mean Temperature ..... 56.7  
 Coldest Day, 19th. Mean Temperature ..... 37.3  
 Climatic Difference ..... 19.4  
 Possible to see Aurora on 9 Nights.  
 Aurora visible on 8 Nights.  
 Total quantity of Rain, 6.98 inches.  
 Total quantity of Snow, inap.  
 Rain fell on 14 days.  
 Snow fell on 2 days.