

METEOROLOGICAL INTELLIGENCE.

Abstract of Meteorological Observations—from the Records of the Montreal Observatory, lat. 45°31 North long ; 4h. 54m. 11 sec. West of Greenwich, and 182 feet above mean sea level. For January, 1868. By Chas. Smallwood, M.D., LL.D., D.C.L.

From the Records of the Montreal Observatory, lat. 45°31 North long.; 4 h 54 m. 11 sec. West of Greenwich, and 182 feet above mean sea level. For February, 1868. By Chas. Smallwood, M. D , LL.D., D.C.L.

DAYS.	Barometer corrected at 32°			Temperature of the Air.			Direction of Wind.			Miles in 24 hours.
	7 a.m.	2 p.m.	9 p.m.	7 a.m.	2 p.m.	9 p.m.	7 a.m.	2 p.m.	9 p.m.	
1	29.751	29.300	29.041	5.1	13.2	21.7	NE	NE	NE	98.74a
2	.022	.177	.240	22.8	24.9	23.2	W	SW	SW	188.12b
3	.400	.433	.499	21.2	29.9	20.0	SE	NE	NE	81.10
4	.440	.514	.522	9.8	6.7	0.9	NE	NE	NE	181.00
5	.847	.892	.949	-3.1	17.7	4.7	W	W	W	204.24
6	.875	.853	.850	-3.3	16.7	8.2	W	W	W	141.20
7	.798	.763	.711	-3.1	12.7	13.4	W	W	W	101.24
8	.647	.602	.500	13.1	29.4	23.3	W	W	W	99.27
9	.251	.247	.277	16.7	13.4	10.1	W	W	W	101.44b
10	.400	.401	.426	-4.3	7.9	2.3	WbyN	W	W	311.10b
11	.401	.460	.565	-7.6	11.7	-4.3	NNE	W	W	202.00
12	.751	.764	.911	12.8	5.7	-3.0	W	W	W	289.44
13	.492	30.000	30.005	-2.3	4.1	5.7	W	W	W	214.19
14	30.201	.187	.100	-5.1	4.9	-0.8	W	SE	SE	101.24
15	29.742	29.627	29.600	-6.3	6.4	2.7	NE	NE	NE	99.30
16	.448	.427	.403	6.4	16.9	14.6	W	W	W	101.10
17	.400	.517	.561	13.7	17.9	6.6	W	W	W	82.00
18	.650	.702	.800	6.6	17.1	8.1	W	W	W	77.24c
19	.961	.965	.876	-1.6	9.9	7.3	W	NbyE	W	91.10
20	.684	.701	.787	17.0	21.0	20.9	SW	SW	SW	88.21d
21	.562	.600	.749	13.1	20.7	17.0	NE	NE	NE	111.10
22	30.001	30.102	30.167	6.4	31.9	16.7	NE	W	W	104.21
23	29.610	29.442	29.351	23.4	31.6	37.2	SW	SW	SW	126.10be
24	.301	.400	.404	25.2	32.1	23.2	W	W	W	197.00
25	.647	.701	.821	12.8	17.2	6.9	NW	W	W	98.24f
26	.911	.849	.852	-8.3	-3.3	-7.1	NE	NE	NE	104.10
27	.750	.663	.751	-10.6	7.3	6.7	NE	NE	NE	129.00
28	.813	.834	.851	-10.3	7.8	6.6	NE	NE	NE	118.14
29	.749	.711	.643	3.0	19.4	13.1	NE	NE	NE	97.21b
30	.624	.649	.848	8.4	32.1	16.7	W	W	W	85.00
31	.602	.927	.999	15.3	12.4	13.6	W	W	W	77.24b

DAYS.	Barometer corrected at 32°			Temperature of the Air.			Direction of Wind.			Miles in 24 hours.
	7 a.m.	2 p.m.	9 p.m.	7 a.m.	2 p.m.	9 p.m.	7 p.m.	2 p.m.	9 p.m.	
1	30.062	30.025	29.961	16.0	30.0	16.7	W	W	W	221.10
2	29.766	29.763	946	19.4	24.0	6.4	W	W	W	187.17a
3	30.248	30.301	30.196	-16.4	6.7	-10.3	WbyN	W	W	101.00b
4	29.749	29.862	.023	0.0	20.9	9.8	WSW	WSW	W	89.94c
5	30.025	.900	29.650	-7.5	14.7	7.1	NE	NE	NE	181.19
6	29.331	.142	.197	20.0	23.1	19.7	NE	NE	NE	86.10d
7	.502	.896	30.052	7.4	11.1	-9.3	W	WbyN	WbyN	91.11e
8	30.101	.977	29.954	-11.7	8.7	10.6	W	W	W	210.19
9	29.300	.144	100	17.1	22.6	30.7	SW	SW	SW	184.10f
10	.850	30.101	30.000	-11.3	9.7	-7.2	WbyN	W	W	104.41
11	.999	29.961	29.999	-21.7	6.7	-1.2	NbyE	W	W	96.74
12	.448	.847	30.000	5.4	16.9	4.9	SW	W	W	89.94g
13	.700	.621	29.750	2.7	16.4	9.0	NE	NE	NE	84.20h
14	30.000	.917	.889	-3.8	8.4	5.7	N	N	W	101.10
15	29.611	.623	.751	3.6	17.9	17.7	NE	NE	NE	99.24j
16	.452	.996	.899	15.1	20.0	15.5	NE	W	W	81.29
17	.461	.349	.462	13.1	20.3	20.1	SW	SW	W	74.10k
18	.821	.679	.561	1.4	16.7	7.5	NbyW	W	SW	197.24l
19	.316	.470	.479	14.0	34.2	17.7	SW	W	W	80.10
20	.500	.342	.250	22.0	38.8	33.1	W	W	W	104.24
21	.575	.786	30.000	15.7	16.9	3.2	NE	NE	NE	66.42
22	30.165	30.244	.237	12.3	9.1	0.0	NbyE	WbyN	W	55.10
23	.399	.479	.561	-9.9	10.1	-1.2	NW	W	W	140.41
24	.550	.537	.522	-10.0	11.7	1.1	NE	NE	NE	91.10
25	.400	.314	.100	-8.6	20.0	6.3	NE	NE	NE	67.74
26	.201	.079	.000	-1.4	14.7	13.1	NE	NE	NE	81.11
27	29.712	29.359	29.325	7.2	16.9	16.4	NE	NE	NE	66.10m
28	.061	.033	.150	18.1	27.8	17.0	W	W	W	121.17n
29	.341	.462	.553	3.0	17.9	4.4	W	W	W	102.10

RAIN IN INCHES.—None.

SNOW IN INCHES.—a 0.64; b 0.20; c 0.10; d 1.57; e 0.10; f 9.06; g 0.56; h 0.79; j 0.04; k 4.34; l 2.47; m 1.43; n Inaapp.

The Mean Temperature of the month was 9°49 degrees; when compared with the Mean Temperature of February, 1867, (which was 22°00 degrees), shows a decrease of 12°51 degrees for February, 1868.

The Isothermal for Montreal for the month of February, reduced from observations taken during a series of years, has been fixed at 17°4 degrees, which shows that February, 1868, was 7°01 degrees colder than this mean annual temperature.

The Barometer attained 30.561 inches at 9 p.m. of the 23rd day. The amount of snow which fell was 22.20 inches. No rain fell during the month.

—From the Records of the A. H. Corps, Quebec, Lat. 46°48'30" N., Long. 71°12'15" W., and 230 feet above the St. Lawrence for January, 1868. By Sergeant J. Phurling, Army Hospital Corps, Quebec.

BAROMETER:				THERMOMETER.						HYGROMETER.				RAIN.	OZONE.		WIND.		CLOUD.				
Mean for month.	Highest.	Lowest.	Range.	Highest.	Lowest.	Range.	Mean of highest.	Mean of lowest.	Mean daily range.	Mean for month.	Mean of dry bulb.	Mean of wet bulb.	Mean dew point.	Mean humidity.	Number of days fell.	Amount collected.	Mean at 5 a.m.	Mean at 3 p.m.	General direction.	Estimated strength.	Horizontal movement.	At 9 a.m.	At 3 p.m.
29.703	30.206	29.076	1.130	38°2	20°58	21°9	0°7	22.6	10.6	9°7	8°7	4°7	80			1.0	1.0	W.	1.1	166.4	6.0	6.1	