

ABSTRACT OF METEOROLOGICAL OBSERVATIONS,

Taken at the Montreal Observatory, Latitude 45° 31' N. Longitude 4h. 54m. 11s. W. of Greenwich. Height above level of the Sea 182 feet. For the month of January 1864.

BY CHARLES SMALLWOOD, M. D., L. L. D.

Day of Month.	Reading of the Barometer, corrected and reduced to 32° F.			Reading of Thermometer.			Mean Tension of Vapor.	Mean Humidity of the Atmosphere.	General direction of Wind.	Horizontal movement in miles.	Mean extent of Clouds in 10ths.	Depth of Rain in inches.	Depth of Snow in inches.	Ozone in 10ths.	Weather, &c.	Remarks for the Month.
	Highest.	Lowest.	Mean.	Max.	Min.	Mean.										
1	29.188	29.414	29.242	35.0	13.4	27.2	.190	.898	S W	87.82	6.3	Inapp	2.6	Rain.	Barometer.... { Highest, the 30th day, 30.814 inches. Lowest, the 10th day, 29.211 " Monthly Mean, 29.937 " Monthly Range, 1.103 "
2	30.000	29.898	29.949	34.9	-2.0	11.7	.044	.843	W	440.40	2.0	Inapp	.....	1.3	Rain.
3	30.100	29.888	29.994	34.9	0.0	10.6	.078	.859	S W	465.90	1.3	Inapp	.....	2.0	S.W.
4	29.824	29.772	29.847	34.9	-2.0	6.7	.073	.846	S W	200.00	1.6	1.5	Aurora Bor.	Thermometer { Highest, the 25th day, 47° 1 Lowest, the 7th day, -16° 9. Monthly Mean, 21° 52. Monthly Range, 64° 0. Greatest intensity of the Sun's rays, 64° 7. Lowest point of terrestrial radiation, -18° 4. Mean of Humidity, .887. Rain fell on 5 days amounting to 0.100 inches. Snow fell on 16 days amounting to 32.85 inches. Most prevalent wind, S. W. Least prevalent wind, W. Least windy day the 3rd day, mean miles per hour, 20.24. Least windy day the 8th day, mean miles per hour, 1.02. Aurora Borealis visible 1 night. Zodiacal light bright. Imperfect Solar Halo, 20th day.
5	30.149	29.863	29.974	34.9	0.0	5.4	.057	.871	N E	31.40	6.6	.....	.....	2.0	Snow.
6	30.149	29.863	29.974	34.9	0.0	5.4	.057	.871	S W	72.10	6.3	.....	.....	1.3	Snow.
7	30.320	30.110	30.215	34.9	16.9	0.8	.044	.863	W	57.63	2.6	.....	.....	1.3	Snow.
8	29.800	29.700	29.844	24.2	5.0	15.7	.192	.883	S W	24.70	10.0	.....	.....	2.6	Snow.
9	30.014	29.904	29.959	23.7	11.4	17.5	.109	.844	S W	53.52	6.6	.....	.....	3.0	Snow.
10	30.014	29.904	29.959	23.7	11.4	17.5	.109	.844	S W	299.44	10.0	.....	.....	2.6	Snow.
11	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	S W	104.06	6.6	.....	.....	2.6	Snow.
12	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	S W	60.90	10.0	.....	.....	3.0	Snow.
13	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	N E	104.06	10.0	.....	.....	3.0	Snow.
14	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	S W	77.30	10.0	.....	.....	3.0	Snow.
15	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	S W	31.60	4.0	.....	.....	6.6	Snow.
16	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	S W	96.60	10.0	.....	.....	1.6	Snow.
17	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	W	30.57	4.0	.....	.....	1.3	Snow.
18	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	S W	54.00	4.6	.....	.....	2.6	Snow.
19	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	S W	202.80	10.0	.....	.....	2.6	Snow.
20	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	N E	38.20	10.0	.....	.....	4.0	Snow.
21	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	N E	38.20	10.0	.....	.....	5.0	Snow.
22	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	W	289.12	9.3	.....	.....	2.6	Snow.
23	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	W	174.88	0.0	.....	.....	2.6	Snow.
24	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	S W	45.19	6.6	Inapp	.....	2.6	Snow.
25	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	W S W	124.10	7.6	Inapp	.....	3.3	Snow.
26	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	W S W	28.14	10.0	.....	.....	3.3	Snow.
27	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	W	58.13	6.6	.....	.....	4.6	Snow.
28	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	W	58.13	6.6	.....	.....	2.6	Snow.
29	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	N E	112.72	3.3	.....	.....	2.6	Snow.
30	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	N E	145.04	10.0	.....	.....	3.0	Snow.
31	30.040	29.930	29.985	27.1	16.1	23.2	.146	.889	N E	91.68	10.0	.....	.....	3.0	Snow.
									N E	116.48	7.0	.....	.....	2.6	Snow.
									N E	146.70	10.0	.....	.....	4.0	Snow.
									N E	243.80	6.3	.....	.....	2.6	Snow.