

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 24 hours 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	18.4	27.2	.160	.898	S W	87.82	6.3	Inapp	2.6	Rain.	Barometer... { Highest, the 30th day, 30.314 inches. Lowest, the 18th day, 29.211 " Monthly Mean, 29.937 " }
2	29.900	29.686	29.793	18.9	-9.1	0.5	.044	.848	S W	440.40	2.0	Inapp	.....	2.0	Snow.
3	29.888	29.859	29.873	18.9	-2.0	11.7	.070	.846	S W	495.90	1.3	Inapp	.....	1.6	Aurora Bor.
4	30.100	30.888	30.019	19.4	0.0	10.6	.076	.846	S W	200.00	1.6	2.6	Snow.	Thermometer { Highest, the 25th day, 47° 1 Lowest, the 7th day, -16° 9. Monthly Mean, 21° 52. }
5	30.149	30.700	29.772	10.0	-2.0	6.7	.087	.871	N E	54.40	6.6	.....	.....	1.3	Snow.
6	30.330	30.893	30.074	6.2	0.0	5.4	.057	.895	N E	72.10	6.6	.....	.....	2.6	Snow.
7	30.149	30.893	30.074	6.2	0.0	5.4	.044	.863	W	57.68	2.6	.....	.....	1.3	Snow.
8	29.830	29.780	29.844	24.2	5.0	15.7	.192	.883	S W	24.70	10.0	Inapp	3.0	Snow.	Greatest intensity of the Sun's rays, 64° 7. Lowest point of Terrestrial radiation, -18° 4. Mean of Humidity, .857. 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. Most 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.
9	29.760	29.640	29.700	23.7	11.4	23.3	.127	.877	S W	293.44	10.0	.....	.....	2.6	Snow.
10	29.614	29.600	29.605	25.3	18.9	23.3	.146	.889	S W	104.06	6.6	.....	.....	3.0	Snow.
11	29.624	29.488	29.554	27.1	18.1	23.4	.157	.902	N E	61.90	10.0	.....	.....	3.0	Snow.
12	29.688	29.462	29.569	29.6	15.4	24.4	.205	.944	S W	77.30	10.0	.....	.....	3.0	Snow.
13	29.600	29.433	29.511	37.8	29.2	24.1	.162	.869	S W	81.60	10.0	.....	.....	3.0	Snow.
14	29.900	29.681	29.791	34.9	23.2	27.6	.147	.889	N E	96.50	10.0	.....	.....	4.6	Snow.
15	29.709	29.572	29.640	35.6	18.1	25.6	.185	.920	S W	130.57	4.0	.....	.....	2.6	Snow.
16	30.098	29.837	29.967	32.2	4.0	15.4	.086	.820	S W	54.00	4.6	.....	.....	2.6	Snow.
17	29.040	29.037	29.037	32.2	21.0	28.3	.188	.912	S W	202.80	10.0	.....	.....	4.0	Snow.
18	29.968	29.976	29.976	27.4	24.0	24.4	.151	.936	N E	33.20	10.0	.....	.....	3.0	Snow.
19	29.876	29.820	29.848	26.7	24.0	25.9	.161	.949	N E	239.12	9.3	.....	.....	2.6	Snow.
20	30.094	29.910	29.994	32.2	18.1	22.1	.119	.849	W	174.38	10.0	.....	.....	2.6	Snow.
21	29.325	29.200	29.264	32.2	9.8	16.6	.105	.860	W	45.18	6.6	Inapp	Inapp	2.6	Snow.	
22	29.876	29.855	29.865	34.1	17.4	23.8	.169	.929	S W	124.10	7.0	Inapp	Inapp	2.6	Snow.	
23	29.845	29.625	29.733	35.2	21.2	30.9	.178	.919	W	28.14	10.0	.....	.....	3.3	Rain.
24	29.482	29.298	29.388	40.1	30.1	38.7	.231	.924	B W	68.13	6.6	.....	.....	4.6	Snow.
25	29.633	29.229	29.424	47.1	80.1	36.8	.217	.902	B W	112.72	3.3	.....	.....	2.6	Snow.
26	29.781	29.325	29.602	38.7	17.3	27.7	.163	.867	N E	146.04	10.0	Inapp	.....	3.0	Snow.
27	29.817	29.563	29.690	42.1	16.0	23.6	.131	.882	N E	91.68	10.0	.....	.....	3.0	Snow.
28	29.924	29.829	29.876	28.2	22.1	33.3	.180	.833	N E	115.48	7.0	.....	.....	2.6	Snow.
29	30.300	30.177	30.233	25.1	15.8	19.8	.198	.794	N E	146.70	10.0	.....	.....	4.0	Snow.
30	29.814	29.160	29.221	19.0	11.5	16.2	.097	.811	N E	146.70	10.0	.....	.....	2.6	Snow.
31	29.148	29.148	29.148	24.1	18.9	20.2	.106	.820	N E	248.80	6.6	.....	.....	2.0	Snow.