ABSTRACT OF METEOROLOGICAL OBSERVATIONS,

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

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

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.
	Highest	Lowest.	Mean.	Max.	Min.	Mean									
	Inches.	Inches.	Inches.												
1	29.583	29.539	29.534	96.2	74.4	85.0	.803	.667	S by E	120.71	4.6	Inapp	....	0.3	Rain.
2	.582	.568	.573	86.0	68.2	76.4	.728	.807	N by W	73.59	4.6	....	....	1.0	
3	.660	.591	.625	72.8	58.2	67.9	.489	.729	N E	211.41	8.0	Inapp	....	1.1	Rain.
4	.589	.564	.574	68.2	59.0	64.8	.502	.823	N E	173.70	6.6	0.043	....	1.0	Rain.
5	.765	.653	.697	86.7	58.4	76.6	.747	.822	S W	50.28	6.0	....	....	1.0	
6	.846	.702	.799	89.8	62.2	76.2	.695	.765	S W	86.91	8.0	....	....	0.3	
7	.712	.700	.705	90.2	61.1	77.1	.734	.785	S W	56.20	4.6	....	....	1.0	
8	.834	.714	.786	79.1	62.0	71 2	.558	.800	W	95.20	5.3	....	....	1.0	
9	.546	.506	.537	89.2	62.4	81.5	.844	.801	N N W	65.54	3.3	....	....	2.0	
10	.501	.474	.483	84.6	60 0	79.1	.776	.800	S E	269.89	0.0	....	....	1.0	
11	.611	.599	.640	95.1	67.0	80.8	.775	.802	N by W	111.52	0.0	....	....	0.3	
12	.704	.672	.692	85.1	58.9	72.9	.640	.742	N by W	48.74	5.3	....	....	1.0	
13	.588	.529	.534	94.2	64.7	78.2	.705	.716	S W	167.93	6.0	....	....	1.3	
14	.741	.600	.650	87.2	63.2	77.4	.761	.807	W	124.40	1.3	....	....	1.3	
15	.812	.761	.749	94.2	61.0	77.6	.694	.716	W	187.21	0.3	....	....	0.3	
16	.891	.871	.878	87.2	66.4	78.7	.726	.730	W	10.13	6.0	....	....	1.0	
17	.719	.715	.717	74.1	68.1	70.9	.596	.802	N E	77.16	10.0	Inapp	....	0.3	Rain.
18	.874	.798	.825	81.6	56.0	69.1	.516	.781	N E	162.96	0.0	....	....	0.3	
19	30.014	.928	.979	82.3	55.4	70.9	.525	.702	N W	130.08	8.0	....	....	0.3	
20	29.990	.984	.973	78.9	58.4	69.7	.568	.785	W	58.38	10.0	....	....	1.0	
21	.987	.770	.899	76.0	65.0	73.0	.624	.792	N E	27.00	8.0	....	....	0.3	
22	.734	.542	.636	82.4	60.0	74.8	.646	.760	S W	96.07	3.3	Inapp	...	0.5	Rain.
23	.647	.548	.609	74.1	66.0	70.3	.603	.816	W	120.47	8.0	0.952	....	1.3	Rain.
24	.737	.714	.750	84.4	63.0	74.7	.671	.791	W	170.61	6.3	....	.....	1.3	
25	.519	.423	.488	88.2	65.2	79.0	.753	.816	W	94.02	7.6	....	....	1.0	
26	.571	.424	.814	83.2	62.6	72.1	.675	.889	W	36.56	6.6	0.815	....	1.3	Rain.
27	.311	.254	.281	75.9	61.1	68.7	.628	.799	S E	18.40	5.6	0.216	....	1.3	Rain.
28	.624	.424	.486	75.0	60.0	66.9	.546	.826	W	122.00	1.6	....	....	1.0	
29	.847	.424	.494	74.0	58.1	65.7	.539	.871	W by N	223.42	6.6	Inapp	...	1.3	Showers.
30	.796	.616	.677	69.4	55.0	59.1	.429	.874	W by W	128.91	6.0	Inapp	....	1.0	Rain.
31	.829	.811	.819	74.9	58.2	65.0	.510	.811	N W	78.80	0.0	....	....	0.0	

Barometer ... { Highest, the 19th day, 30.014 inches.
Lowest, the 27th day, 29.281 "
Monthly Mean, 29.664. "
Monthly Range, 0.833. "

Thermometer { Highest, the 1st day, 96° 2.
Lowest, the 30th day, 55° 0.
Monthly Mean, 71.17.
Monthly Range, 41° 2.

Greatest intensity of the Sun's rays, 114° 0.
Lowest point of Terrestrial radiation, 51° 4.
Mean of Humidity, .748.
Rain fell on 10 days, amounting to 2.126 inches, and was accompanied by Thunder on 4 days.
Most prevalent wind, W.
Least prevalent wind, N. by W.
Most windy day, the 10th day, mean miles per hour, 11.24.
Least windy day, the 16th day, mean miles per hour, 0.42.
Amount of Evaporation, in inches, 2.24.
Aurora Borealis visible on 1 night.