

ABSTRACT OF METEOROLOGICAL OBSERVATIONS,

Taken at the Montre. Observatory, Latitude 45° 31' N. Longitude, 4h. 54m. 11s. W. of Greenwich. Height above level of the Sea 182 feet. For the month of September, 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 Vapor of the Atmosphere.	General direction of Wind.	Horizontal movement in miles.	Mean extent of Cloud in faths.	Depth of Rain in inches.	Depth of Snow in inches.	Ozone in faths.	Weather, &c.	Remarks for the Month.
	Highest.	Lowest.	Mean.	Max.	Min.									
1	29.919	29.897	29.906	88.1	62.0	72.3	W	14.80	3.3	0.0	0.0	1.0		Barometer... { Highest, the 7th day, 30.165 inches. Lowest, the 15th day, 29.421 " Monthly Mean, 29.773 " Monthly Range, 0.744 " Highest, the 6th day, 88.0. Lowest, the 26th day, 62.0. Thermometer... { Monthly Mean, 58.91. Monthly Range, 55.1. Greatest intensity of the Sun's rays, 117.9. Lowest point of Terrestrial radiation, 31.7. Mean of Humidity, .870. Rain fell, on 19 days, amounting to 3.482 inches, it was accompanied by Thunder on 1 day. Most prevalent wind, N. E. Least prevalent wind, N. N. E. Most windy day the 27th day, mean miles per hour, 1.39. Least windy day, the 75th day, mean miles per hour, 1.39. Amount of Evaporation 1.17 inches. Aurora Borealis visible on 2 nights.
2	29.878	29.849	29.864	86.0	62.2	72.3	N E	30.30	3.3	0.0	0.0	1.3		
3	29.759	29.721	29.740	76.0	59.1	67.6	N E	60.60	0.689	0.0	0.0	2.0	Rain.	
4	29.742	29.721	29.731	72.1	54.2	63.1	N E	133.20	0.942	0.0	0.0	2.0	Rain.	
5	29.666	29.637	29.651	65.2	48.2	56.7	N E	100.20	5.3	0.0	0.0	2.3	Au. Bor.	
6	29.669	29.660	29.664	68.0	47.0	57.5	N E	77.50	0.0	0.0	0.0	1.3		
7	29.495	29.481	29.488	75.7	47.0	61.4	N W	11.70	0.0	0.0	0.0	1.0		
8	29.484	29.459	29.471	72.1	48.2	61.1	N E	51.31	6.6	0.0	0.0	1.0		
9	29.464	29.424	29.444	68.0	48.3	62.2	N E	104.40	8.0	0.031	0.0	2.0	Rain.	
10	29.424	29.353	29.388	61.2	48.1	54.4	N W	138.74	5.3	0.0	0.0	2.0		
11	29.473	29.441	29.457	64.1	51.2	57.7	N E	90.20	9.6	0.0	0.0	2.0		
12	29.457	29.416	29.436	55.2	49.1	52.3	N E	60.50	10.0	0.684	0.0	3.0	Rain.	
13	29.478	29.417	29.447	54.7	48.0	52.8	N E	152.20	10.0	0.171	0.0	3.0	Rain.	
14	29.441	29.376	29.408	54.7	48.0	51.4	N E	22.14	10.0	0.171	0.0	2.3	Rain.	
15	29.404	29.341	29.372	50.9	43.8	47.4	N W	53.20	10.0	0.160	0.0	2.3	Rain.	
16	29.354	29.312	29.333	54.2	41.9	48.1	N W	158.75	8.0	0.362	0.0	1.6	Rain.	
17	29.304	29.273	29.288	54.2	43.3	48.8	N W	103.25	1.3	0.024	0.0	2.0	Rain—A. Bor.	
18	29.289	29.249	29.269	52.2	41.6	46.9	W	203.60	8.0	0.0	0.0	2.3	Lightning.	
19	29.290	29.249	29.269	54.1	44.7	49.4	N W	120.70	10.0	0.162	0.0	2.6	Rain.	
20	29.287	29.246	29.266	52.9	44.7	48.8	N W	135.80	8.0	0.191	0.0	2.0	Rain.	
21	29.287	29.246	29.266	54.1	43.2	48.7	N W	73.40	8.0	0.191	0.0	1.8	Rain.	
22	29.011	29.823	29.922	61.7	43.1	52.4	N E	82.48	5.3	0.0	0.0	1.3	Rain.	
23	29.759	29.636	29.698	61.6	44.1	52.8	N W	100.20	7.6	0.0	0.0	1.0		
24	29.621	29.597	29.614	51.0	44.2	47.6	N W	142.40	7.6	0.0	0.0	2.0	Rain.	
25	29.474	29.411	29.442	47.5	46.1	46.8	N E	76.15	6.6	0.261	0.0	2.0	Rain.	
26	29.484	29.430	29.457	59.4	42.9	51.3	N W	121.40	1.3	0.0	0.0	1.3		
27	29.404	29.353	29.378	56.5	46.4	51.4	W	271.55	6.0	0.146	0.0	3.0	Rain.	
28	29.061	29.040	29.050	63.6	47.4	55.5	W	101.40	4.6	0.064	0.0	1.3		
29	29.094	29.050	29.072	62.3	48.4	55.3	W	103.55	9.6	0.0	0.0	2.0	Rain.	
30	29.100	29.864	29.984	61.1	45.0	51.6	W	224.60	3.3	0.872	0.0	3.3	Rain.	