

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 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 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.
	Inches.	Inches.	Inches.													
1	29.919	29.897	29.906	88.1	53.0	72.3	.628	W by S	114.80	3.3	.....	.....	1.0	.....	Barometer ..
2	.878	.819	.841	76.0	53.1	66.1	.522	N E	99.30	9.6	.....	.....	1.3	.....	Lowest, the 7th day, 30.195 inches.
3	.769	.724	.746	64.2	51.0	59.1	.481	N E	60.09	10.0	0.089	.....	2.6	.....	Lowest, the 15th day, 29.421 "
4	.742	.721	.727	59.1	54.2	51.1	.422	N E	139.29	10.0	0.942	.....	2.6	.....	Monthly Mean, 29.753 "
5	.906	.867	.889	69.2	48.2	58.0	.455	N E	100.29	5.3	.....	.....	2.3	.....	Monthly Range, 0.774 "
6	30.069	.960	30.019	88.0	48.0	67.9	.575	N E	77.59	0.0	.....	.....	1.3	.....	Highest, the 6th day 88°0.
7	.195	30.191	.193	75.7	47.0	58.6	.467	W N W	14.79	0.0	.....	.....	1.3	.....	Lowest, the 26th day, 32°9.
8	29.964	29.959	29.961	72.1	48.2	61.1	.475	N W	54.34	6.6	.....	.....	1.0	.....	Monthly Mean, 58.91.
9	.764	.624	.689	69.1	48.3	62.2	.417	S W	90.40	8.0	0.031	.....	2.0	.....	Mean of Humidity, .870.
10	.684	.553	.596	61.2	48.1	58.4	.428	N W	138.74	5.3	.....	.....	2.0	.....	Greatest intensity of the Sun's rays, 111°9.
11	.673	.641	.654	65.9	54.2	60.1	.457	N E	90.59	9.6	.....	.....	2.0	.....	Lowest point of Terrestrial radiation, 31°7.
12	.757	.616	.705	64.7	49.4	50.3	.352	N E	90.07	10.0	0.084	.....	3.0	.....	Rain fell on 19 days, amounting to 3.482 inches, it
13	.679	.617	.657	54.7	48.0	52.8	.375	N E	152.20	10.0	0.171	.....	3.0	.....	was accompanied by Thunder on 1 day.
14	.611	.576	.597	50.9	46.8	55.9	.407	N E	227.14	10.0	0.100	.....	2.3	.....	Most prevalent wind, N. E.
15	.500	.421	.454	58.1	54.2	56.1	.445	W S W	33.50	10.0	0.100	.....	2.3	.....	Least prevalent wind, N. N. E.
16	.574	.472	.519	54.2	47.9	52.1	.390	W S W	188.75	8.0	0.362	.....	1.6	.....	Least windy day the 27th day, mean miles per hour,
17	.860	.779	.814	72.2	43.3	58.8	.480	W N W	103.25	1.3	0.034	.....	2.0	.....	10.54.
18	.869	.669	.727	74.6	57.1	64.4	.508	W	203.00	8.0	.....	.....	2.3	.....	Least windy day, the 15th day, mean miles per hour,
19	.700	.473	.629	60.1	44.7	58.1	.448	S W	120.70	10.0	0.162	.....	2.6	.....	1.39.
20	.807	.716	.772	70.9	43.2	58.4	.383	W S W	135.80	8.0	.....	.....	2.0	.....	Amount of Evaporation 1.17 inches.
21	30.011	.873	.922	60.2	33.7	50.1	.423	W S W	79.40	8.0	.....	.....	1.6	.....	Aurora Borealis visible on 2 nights.
22	30.011	.873	.922	60.2	33.7	50.1	.323	N E	82.68	5.3	.....	.....	1.3	.....	
23	30.730	.696	.646	81.0	64.1	65.6	.575	N by W	100.26	7.6	.....	.....	1.0	.....	
24	.521	.507	.515	69.4	63.4	64.2	.544	S by W	142.49	7.6	.....	.....	2.0	.....	
25	.714	.510	.625	55.9	46.1	51.3	.327	N E	76.15	6.6	0.261	.....	2.0	.....	
26	.824	.800	.811	69.4	32.9	50.7	.354	N W	124.40	1.3	.....	.....	1.3	.....	
27	.604	.583	.595	76.4	37.4	64.6	.754	W	271.95	4.6	0.140	.....	3.0	.....	
28	30.061	.603	.833	76.9	48.4	65.5	.541	W	191.49	6.0	0.064	.....	1.3	.....	
29	.068	.690	.842	62.3	40.9	55.5	.362	W	108.56	9.6	.....	.....	2.0	.....	
30	.100	.804	.968	61.1	43.0	51.6	.343	W	224.60	3.3	0.812	.....	3.3	.....	