

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 April, 1864.

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

Day of Month.	Reading of the Barometer, corrected, and reduced to 32° F.		Reading of Thermometer.			Mean Tension of Vapor.	Mean Humidity of 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.	Inches.	Mean.	Min.											Max.
	Inches.	Inches.	Inches.	Inches.	Inches.											Inches.
1	29.710	29.650	29.687	41.0	29.9	56.8	.913	N E	265.85	7.6	Inapp	8.0	Rain.	Barometer... { Highest, the 9th day, 30.120 inches. Lowest, the 11th day, 29.421 " " Monthly Mean, 29.705	
2	29.720	29.673	29.708	40.5	31.7	49.7	.915	N E	219.44	8.0	0.114	.....	4.0	Rain.	
3	29.742	29.682	29.712	41.0	34.3	51.1	.884	N E	114.10	3.3	.....	.....	2.6	Aurora Bor.
4	29.749	29.686	29.717	41.0	27.1	61.2	.862	N E	115.10	1.8	.....	.....	1.8	Aurora Bor.
5	29.769	29.699	29.734	40.4	25.0	51.4	.884	N E	139.81	0.0	.....	.....	1.6	Aurora Bor.
6	30.047	29.998	30.023	48.9	32.0	48.9	.840	W by S	85.19	1.3	2.3	Thermometer { Lowest, the 5th day, 75° 0. Monthly Mean, 44° 37'. Monthly Range, 45° 37'.	
7	30.064	29.998	30.031	48.9	35.1	59.6	.879	N	68.41	0.0	.....	.....	2.0	.....	
8	30.085	29.998	30.041	48.6	34.1	59.8	.881	N	127.39	3.3	.....	.....	1.8	.....	
9	29.982	29.900	29.941	43.2	38.9	58.3	.874	N	266.41	1.3	Inapp	1.0	Greatest intensity of the Sun's rays, 79° 0. Lowest point of Terrestrial radiation, -20° 4. Mean Humidity .883. Rain fell on 12 days, amounting to 2.060 inches. Snow fell on 6 days, amounting to 2.10 inches. Most prevalent wind, N. E. Least prevalent wind, S. W. Most windy day the 15th day, mean miles per hour, 13.33. Least windy day the 22nd day, mean miles per hour, 2.14.	
10	29.969	29.869	29.919	39.6	37.4	46.3	.912	N E	194.40	10.0	Inapp	3.3	Rain-Snow.		Aurora Borealis visible on 4 nights. Solar Halo on the 19th day. Lunar Halo on the 19th day. Thunder on the 26th day.
11	29.920	29.825	29.873	36.8	39.9	47.1	.907	N E	297.18	10.0	0.213	.....	4.0	Rain-Snow.	
12	29.895	29.804	29.850	36.8	32.4	47.4	.922	N E	123.73	10.0	0.051	.....	2.6	Rain-Snow.	
13	29.825	29.770	29.798	30.2	30.2	40.2	.922	N E	136.00	10.0	.....	.....	2.6	.....	
14	29.761	29.707	29.734	30.2	31.1	46.1	.888	N E	122.24	10.0	.....	.....	2.3	.....	
15	29.629	29.591	29.610	45.3	34.1	59.0	.915	W	320.04	8.6	.....	.....	1.6	Snow.
16	29.599	29.544	29.572	43.1	34.4	48.1	.904	W	154.05	6.6	.....	.....	3.0	Snow.
17	29.599	29.544	29.572	43.1	34.4	48.1	.904	W	110.20	8.6	.....	.....	3.0	Snow.
18	29.561	29.506	29.534	43.2	34.2	40.4	.898	W	133.01	10.0	Inapp	.....	3.3	Rain-Snow.	
19	29.561	29.506	29.534	43.2	34.2	40.4	.898	W	110.20	10.0	Inapp	.....	3.3	Rain-Snow.	
20	29.561	29.506	29.534	43.2	34.2	40.4	.898	W	133.01	10.0	Inapp	.....	3.3	Rain-Snow.	
21	29.561	29.506	29.534	43.2	34.2	40.4	.898	W	133.01	10.0	Inapp	.....	3.3	Rain-Snow.	
22	30.011	29.952	29.982	52.0	32.0	52.0	.866	N E	60.95	6.6	.....	.....	2.0	Solar Halo.
23	29.861	29.780	29.821	44.8	39.6	44.8	.920	W by S	51.42	0.0	.....	.....	1.2	Lunar Halo.
24	29.861	29.780	29.821	44.8	39.6	44.8	.920	W by S	51.42	0.0	.....	.....	1.0	.....	
25	29.900	29.854	29.877	51.3	38.4	51.3	.861	N E	244.84	10.0	0.110	.....	3.0	Rain.	
26	29.900	29.854	29.877	51.3	38.4	51.3	.861	N E	309.72	0.0	0.132	.....	1.3	Bril. Au. Bor.	
27	29.900	29.854	29.877	51.3	38.4	51.3	.861	N E	219.22	0.0	.....	.....	1.3	Rain.
28	29.900	29.854	29.877	51.3	38.4	51.3	.861	N E	309.72	0.0	0.132	.....	1.3	Rain.	
29	29.900	29.854	29.877	51.3	38.4	51.3	.861	N E	219.22	0.0	.....	.....	1.3	Rain.
30	29.906	29.868	29.887	53.4	34.4	46.1	.884	N by W	151.92	3.3	Inapp	.....	2.0	Rain.	