

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT MONTREAL IN AUGUST, 1861.

By Archibald Hall, M.D.

Day.	DAILY MEANS OF THE							THERMOMETER.		WIND.			RAIN AND SNOW.			GENERAL OBSERVATIONS.
	Barometer corrected to 32° F.	Temperature of the Air.	Dew Point.	Relative Humidity.	Ozone.	CLOUDS.		Maximum read at 9, P. M.	Minimum read at 7, A. M.	Its general Direction and Mean Force from 0 Calm to 10 Violent Hurricanes.	Inch. in 24 hrs. read at 10 A.M.	Inch. melted snow.	Total rain and melted snow.			
						Amount.	General description.									
1	29.852	72.3	66.5	0.100	0.10	0.10	Cu. St.	79.2	61.0	N.	0.10	0.32	0.32	Faint Auroral light at 10 p.m.		
2	29.782	76.0	66.3	0.08	0.08	0.08	Cu. St.	82.2	65.3	N.W.	1.0	0.01	0.01	[4.50 p.m.]		
3	29.858	76.5	62.9	0.69	0.55	0.00	0.0	81.6	70.2	W.N.W.	1.3	0.01	0.01	Thunderstorm from S.W. at		
4	29.746	76.2	67.8	0.80	0.55	0.00	Cu. St.	82.0	65.0	S.W.	1.6	0.08	0.08	Thunderstorm W. at 5.30 p.m.		
5	29.688	75.4	65.9	0.76	0.55	0.00	Cir. St.	82.4	67.2	N.W.	2.0	0.15	0.15			
6	29.847	66.5	52.6	0.63	0.55	0.00	Cu.	70.7	60.6	W.N.W.	1.3	0.15	0.15			
7	30.005	67.6	55.1	0.63	0.55	1.0	Strat.	75.0	56.9	S.W.	1.3	0.00	0.00	Faint Auroral streamers.		
8	29.993	66.9	55.6	0.69	0.55	1.0	Cir. Cu.	75.0	62.5	N.N.E.	0.6	0.00	0.00	[at 2.30 p.m.]		
9	29.844	68.4	56.0	0.67	0.55	2.3	Cu.	75.0	56.9	E.	2.0	0.00	0.00	Thunderstorm from W.S.W.		
10	29.615	71.6	60.3	0.74	0.55	5.0	Cu. St.	78.5	62.8	S.W.	3.0	0.57	0.57	Faint Auroral light.		
11	29.870	66.3	56.6	0.73	0.55	2.3	Cu.	72.8	66.0	W.N.W.	1.3	0.00	0.00	Circles round sun 11 a.m.		
12	29.973	63.1	52.4	0.72	0.55	9.3	Cu. St.	68.2	55.5	N.E.	2.6	0.00	0.00	Solar Halo a.m.		
13	30.035	64.0	52.9	0.71	0.55	8.0	Cir. Cu. St.	71.5	55.8	N.E.	3.3	0.00	0.00			
14	30.147	62.4	51.1	0.70	0.40	5.3	Cir. Cu. St.	70.9	53.8	N.N.E.	2.0	0.00	0.00			
15	30.165	69.1	57.7	0.71	0.30	0.3	Cu.	76.6	56.0	S.W.	1.6	0.00	0.00			
16	30.116	70.2	58.4	0.69	0.55	4.0	Cir. Cu. St.	78.2	56.0	S.W.	1.3	0.00	0.00			
17	30.012	72.1	61.5	0.74	0.50	9.6	Cu. St.	78.6	63.4	W.S.W.	2.3	Inap.	Inap.	Distant Lightning.		
18	30.064	70.7	61.0	0.75	0.55	7.0	Cu. St.	77.0	64.2	W.S.W.	2.0	Inap.	Inap.			
19	30.182	63.7	56.8	0.80	0.55	2.3	Cir. St.	70.8	50.5	N.E.	1.6	0.00	0.00			
20	30.246	63.6	56.5	0.80	0.45	2.6	Cu. St.	71.8	52.2	E.S.E.	1.0	0.00	0.00			
21	30.044	67.2	60.8	0.84	0.55	10.0	Cu. St.	71.8	59.0	S.S.W.	1.0	0.92	0.92			
22	29.752	64.9	59.0	0.86	0.70	6.3	Nimb.	70.6	61.4	S.W.	2.0	0.52	0.52			
23	29.940	65.1	56.3	0.77	0.40	0.6	Cu.	72.0	54.5	S.W.	2.0	0.00	0.00	Distant Thunder.		
24	30.023	67.9	59.6	0.77	0.55	3.3	Cu. St.	77.2	54.9	S.W.	2.0	0.35	0.35	Imperfect Lunar Halo.		
25	30.106	69.6	61.5	0.80	0.50	4.3	Cu. St.	77.5	60.0	W.S.W.	1.0	0.00	0.00			
26	30.081	69.7	64.3	0.90	0.55	9.6	Nimb.	78.6	61.8	S.W.	1.0	0.24	0.24	Thunderstorm 7.15 p.m.		
27	30.002	70.4	65.4	0.82	0.55	8.6	Cu. St.	75.0	65.2	S.W.	1.0	0.17	0.17	Lightning S. at evening.		
28	29.949	72.2	66.2	0.87	0.55	6.6	Cu. St.	78.5	64.8	S.W.	1.3	0.17	0.17	Thunderstorm from S.W. at		
29	29.849	72.1	67.7	0.90	0.55	4.0	Cu.	79.4	64.9	W.	1.6	0.00	0.00	1.30 a.m.		
30	29.850	66.1	61.0	0.83	0.50	1.3	Cu. St.	73.3	57.2	W.N.W.	1.6	0.00	0.00			
31	30.010	60.8	55.5	0.89	0.55	1.6	Cu.	66.7	53.8	W.	2.0	0.00	0.00			
S's																
M's	29.957	68.78	59.72	0.775				75.43	59.65					3.36		

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT TORONTO IN AUGUST, 1861.

Compiled from the Records of the Magnetic Observatory.

Day.	DAILY MEANS OF THE				THERMOMETER.		Dew Point at 3, P. M.	WIND.		RAIN AND SNOW in 24 hours, ending at 6 A.M. next day.			GENERAL REMARKS.
	Barometer reduced to 32° F.	Temperature of the Air.	Relative Humidity.	Amount of Cloudiness.	Max'm read at 6, A.M. of next day.	Min'm read at 2, P.M. of same day.		General Direction.	Mean Velocity in Miles per hour.	Rain.	Snow.	Total rain and melted snow.	
1	29.5525	71.63	83	4	78.2	66.4	63.5	S. 55 E.	2 23			0.16	Dense fog during evening.
2	4735	72.05	82	2	81.5	62.4	66.5	N. N.	2 37				Lightning in horizon.
3	6030	74.20	78	1	80.0	67.4	67.0	N. N.	2 07				Nos. of Shoot'g Stars obser'd.
4		Sunday			85.2	66.2					.005		Incessant Light'g at night.
5	4840	73.17	78	4	82.0	67.0	67.5	N. N.	2 26				Sultry dense fog at sunset.
6	5620	68.92	78	6	76.0	61.8	64.0	S. N.	2 40		.013		
7	6232	62.65	90	10	65.3	61.0	61.0	N. N.	2 45		.465		
8	6117	65.12	77	10	69.5	61.0	61.0	N. N.	2 47		.115		Large Meteor at 9.21 p.m. in S. W. burst throwing out sparks.
9	4885	66.57	89	8	71.3	64.0	66.0	N. N.	2 29		.015		
10	4343	69.15	72	7	83.4	54.4	68.0	N. N.	2 37				
11		Sunday			63.2	54.4							
12	5900	67.92	84	10	62.4	57.8	55.0	N. N.	2 55		.760		
13	6392	60.77	80	7	69.0	55.0	59.5	N. N.	2 09				Auroral light and faint streamers.
14	8545	59.40	72	5	70.6	53.4	57.0	S. S.	2 7				
15	8415	61.35	72	0	72.0	47.0	56.0	S. S.	2 25				
16	7272	64.70	74	6	74.2	53.4	61.0	S. S.	2 0				
17	7213	66.18	78	6	77.0	54.0	67.0	S. S.	2 35				
18		Sunday			75.3	53.0					Inap.		
19	7905	64.13	78	6	70.6	57.2	58.0	N. N.	2 50				
20	8545	64.23	71	7	70.2	58.4	65.0	N. N.	2 24				Solar Halo at 2 p.m.
21	6202	70.43	83	10	80.0	58.5	60.8	N. N.	2 49		.675		Thunder Storm, Solar Halo.
22	8710	61.70	81	4	70.8	50.5	70.0	N. N.	2 44		Inap.		Faint Auroral light.
23	7407	63.15	66	1	75.4	51.2	53.0	N. N.	2 75				Lunar Corona.
24	7882	65.18	74	2	75.5	52.4	63.5	S. S.	2 41				
25		Sunday			75.5	54.5							
26	6987	67.92	82	9	76.6	62.0	61.5	S. S.	2 21		.115		Solar Halo during forenoon.
27	6312	63.03	81	7	75.8	63.8	66.5	S. S.	2 25		.605		Showers during afternoon.
28	6312	66.07	85	6	74.8	58.4	63.0	S. S.	2 25		.083		Thunder Storm dur'g even'g.
29	6067	63.27	81	4	74.2	59.8	65.0	N. N.	2 75		.035		Thunder Storm during afternoon.
30	6592	60.45	67	2	70.0	51.0	54.0	N. N.	2 49		.102		
31	7840	59.40	63	4	69.8	49.8	52.0	N. N.	2 31		.64		
S's											2.953		
M's	29.6531	65.43	78	5	74.30	58.15	61.75	N. 8 E.	4.21				