

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT MONTREAL IN JULY, 1861.

By Archibald Hall, M.D.

Day.	DAILY MEANS OF THE										THERMOMETER.		WIND.		RAIN AND SNOW.			GENERAL OBSERVATIONS.
	Barometer corrected to F. 32°	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 Hurricane.	Rain in 24 Hrs read at 10 A.M.	Snow in 24 Hrs read at 10 A.M.	Total rain and melted snow					
						Amount.	General description.							Inch.	Inch.	Inch.		
1	29.859	62.1	55.9	0.106	0.10	0.10	Cu.	88.6	55.8	N.N.E.	0.10							
2	29.795	57.8	53.1	.86	10.00	10.0	Nimb.	83.5	54.9	N.N.E.	6.0							
3	29.893	65.2	57.3	.86	9.00	7.0	Cu. St.	70.7	57.0	N.N.E.	6.0					Comet seen for first time.		
4	29.963	73.5	57.7	.64	3.50	0.3	Cu.	81.0	58.4	S.W.	Inap.							
5	29.933	80.8	63.6	.59	3.50	0.3	Strat.	86.4	59.8	S.W.	1.6							
6	29.909	78.5	65.1	.67	4.00	1.3	Cir. St.	86.8	66.8	S.S.W.	1.6					Faint Solar Halo about noon		
7	29.848	79.4	67.4	.69	5.50	6.3	Cir. St.	86.0	70.0	S.W.						[Auroral light.		
8	29.710	81.8	68.1	.65	5.00	5.0	Cu. St.	90.2	73.2	S.W.	Inap.					Hurricane on Sat. 11 a.m.		
9	29.570	73.1	67.0	.85	7.00	6.0	Cu. St.	82.0	66.2	W.						Squally about 2 p.m.		
10	29.680	69.3	60.0	.74	6.50	3.3	Cu. St.	76.2	64.0	N.	0.71		0.71			A Thunderstorm 11 a.m. & 4 p.m. earth quake 9, 5 p.m.		
11	29.658	55.8	53.4	.93	7.50	4.0	Nimb.	59.9	52.0	N.	0.95		0.95			Faint Auroral light.		
12	29.783	60.5	52.7	.79	8.50	8.0	Cu. St.	64.0	56.0	W.S.W.	1.3		0.17					
13	30.081	62.6	53.7	.76	5.50	4.0	Nimb.	68.9	56.9	N.E.	1.3		0.04					
14	30.124	65.3	49.8	.67	5.50	7.3	Cu. St.	70.2	56.9	E.N.E.	1.6							
15	29.834	62.0	58.5	.91	10.00	10.0	Nimb.	65.2	57.6	N.	1.0		0.39					
16	29.755	66.0	57.7	.78	10.00	9.3	Cu. St.	73.3	58.7	S.W.	0.13		0.13			Thunderstorm from W.N.W. at 8.45 p.m.		
17	29.847	66.7	54.4	.68	6.00	3.0	Cu. St.	72.6	59.3	S.W.	0.20		0.20			Thunderstorm S.W. 11 p.m.		
18	29.846	58.3	53.2	.72	8.00	5.0	Cu. St.	72.9	57.3	S.W.	1.6							
19	29.685	71.2	62.6	.78	9.00	8.0	Cu. St.	76.2	64.3	W.N.W.	1.3		0.34					
20	29.543	66.0	59.5	.84	10.00	10.0	Nimb.	71.5	61.3	N.	1.3		1.04					
21	29.720	67.7	60.0	.79	6.00	2.0	Cu.	73.0	58.9	W.	1.3		0.23					
22	29.836	64.6	52.3	.68	5.50	3.6	Cir. St.	69.3	57.3	W.N.W.	1.5							
23	29.944	61.7	53.3	.74	4.50	7.6	Cu.	69.3	56.0	N.	2.0							
24	30.041	66.7	57.1	.70	3.50	6.6	Cu. St.	74.7	61.3	W.N.W.	1.6					Faint Auroral light.		
25	30.063	70.3	57.8	.68	4.00	0.3	Strat.	77.7	57.0	W.	1.3					Faint Auroral light.		
26	29.949	74.6	59.4	.62	3.25	0.0		72.2	59.3	S.S.W.	3.0					[9.15 p.m.		
27	29.933	72.8	65.0	.78	6.50	4.3	Cir. St.	82.2	57.0	N.W.	1.6		0.63			Thunderstorm from N.E. at		
28	29.876	76.6	65.6	.72	5.50	3.3	Strat.	83.0	66.4	E.N.E.	1.3		0.55					
29	29.778	72.1	61.4	.77	9.50	9.6	Cu. St.	76.2	62.9	S.W.	1.6		0.31			Thunderstorm S.W. at 12 m.		
30	29.842	74.4	65.3	.80	4.00	5.3	Cu. St.	75.2	67.5	S.W.	2.3		0.67					
31	29.809	70.3	65.7	.89	10.00	10.0	Cu. St.	72.0	66.5	S.W.	1.0		0.25					
S's																		
M's	29.842	69.09	59.43	755				71.19	60.66								8.48	

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT TORONTO IN JULY, 1861.

Compiled from the Records of the Magnetic Observatory.

Day.	DAILY MEANS OF THE						THERMOMETER.		Dew Point at 9 P.M.	WIND.		RAIN AND SNOW in 24 hours, ending at 6 A.M. next day.			GENERAL REMARKS.
	Barometer reduced to 32° Fahr.	Temperature of the Air.	Relative Humidity.	Amount of Cloudiness.	Maximum read at 9 A.M. of next day.	Minimum read at 7 P.M. of same day.	General Direction.	Mean Velocity in Miles per hour.		Rain.	Snow.	Total rain and melted Snow.	Ozone in 24 hours ending 6 A.M. of next day.		
														Inch.	
1	29.522	59.23	67	6	64.6	53.5	51.0		21 W.	6.33		0.10		Comet whose presence was indistinctly seen on previous night very bright.	
2	29.470	54.47	65	3	67.2	47.0	43.0		44 W.	9.25					
3	29.603	66.90	58	6	87.5	49.4	59.5		87 W.	3.40					
4	29.620	67.53	70	1	80.0	51.2	65.0		1 E.	2.37					
5	29.585	69.77	66	1	81.4	55.0	65.0		9 W.	3.32					
6	29.564	69.48	69	5	80.8	59.6	64.5		9 W.	1.90					
7		Sunday			84.5	61.4			18 W.	2.17					
8	29.473	73.85	70	6	81.2	65.8	70.5		24 W.	4.91	.035			Thunderstorm during even.	
9	29.3187	72.05	75	7	83.0	65.0	52.0		81 W.	5.29	Inap.				
10	29.3707	64.38	77	8	75.2	55.8	52.5		12 E.	8.30	.875			Thunderstorm during day.	
11	29.4207	55.27	77	7	61.2	53.2	50.0		39 W.	9.35	.013				
12	29.5890	57.98	73	5	64.8	47.2	53.0		42 W.	9.67					
13	29.7790	59.92	76	7	69.6	54.0	55.0		19 W.	1.94					
14		Sunday			71.4	50.8			16 E.	1.35					
15	29.5433	59.75	86	10	65.2	51.6	60.0		38 W.	0.90	.135			Thunderstorm at midnight.	
16	29.4565	64.30	71	5	75.0	57.2	61.5		69 W.	3.35	.245				
17	29.5630	61.88	74	4	73.4	47.0	60.0		21 E.	2.14				[sheet lightning all even.	
18	29.5038	67.28	78	7	77.2	55.2	65.0		28 W.	4.53	.607			Distant thunder, incessant	
19	29.2688	66.03	80	7	76.0	60.4	64.0		19 W.	3.60	.400			Thunderstorm during day.	
20	29.4107	63.38	73	2	72.0	57.5	62.0		44 W.	10.03					
21		Sunday			69.8	52.0			40 W.	4.50	.010				
22	29.6270	60.77	73	2	68.5	51.8	58.0		26 W.	4.87	Inap.				
23	29.6755	65.87	57	5	75.8	54.0	50.0		1 E.	4.79					
24	29.7293	66.12	80	2	77.2	55.5	62.0		31 E.	1.83					
25	29.6962	67.83	67	8	73.0	52.4	65.5		7 E.	4.15				Solar halo during forenoon.	
26	29.5572	70.20	78	10	78.0	63.4	65.0		19 W.	4.12	.085				
27	29.6278	68.68	80	9	79.0	65.0	63.5		33 W.	4.57				Thunderstorm with very heavy rain.	
28		Sunday			74.7	64.5			13 E.	9.35	.590				
29	29.4503	66.57	82	2	73.4	61.8	65.0		56 W.	5.75	Inap.			Thunderstorm light & rain.	
30	29.5580	71.20	74	2	80.8	58.2	67.0		15 W.	3.82	.230			{ Considerable number of shooting stars observed.	
31	29.5058	73.02	82	6	81.4	66.8	70.0		26 W.	3.51	.010				
S's															
M's	29.5505	65.37	74	6	74.67	56.23	60.43		N. 74 W.	4.66					