

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT MONTREAL IN SEPTEMBER, 1860.

By Archibald Hall, M.D.

Day.	DAILY MEANS OF THE							THERMOMETER.		WIND.		RAIN AND SNOW.			GENERAL OBSERVATIONS.
	Barometer corrected and reduced 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								
1	Inch's.	°	°	0-100	0-10	0-10		°	°		Inch.	Inch.	Inch.		
2	29.856	58.8	42.4	51	2.5	5.6	Cir. St.	65.5	55.0	W.N.W.	0.10	0.05	0.05		
3	30.088	59.2	43.0	50	2.0	2.3	Strat.	69.0	52.5	N. W.	1.3				
4	30.234	62.7	46.5	53	1.0	0.3	Strat.	71.2	50.8	W.	1.6			Hazy early a.m.	
5	30.121	65.9	54.8	71	2.5	5.0	Cir.	76.1	53.0	S.W.	1.6				
6	29.954	69.8	63.5	85	2.5	5.3	Cu. St.	78.0	62.9	S.W.	2.0	0.23	0.23		
7	29.374	71.2	52.5	59	1.0	2.0	Cu.	77.6	65.0	W.S.W.	1.3			Fine Aur. display streamers	
8	29.913	66.9	52.8	63	1.5	6.3	Cir. St.	78.9	55.5	S.W.	2.6				
9	30.010	52.9	39.9	58	1.0	7.3	Cu. St.	67.8	50.2	N.N.E.	4.0			Auroral light in N.	
10	30.058	55.5	46.5	72	1.7	5.3	Cu.	63.2	45.6	N.N.E.	2.0				
11	29.904	58.7	48.6	69	1.5	9.0	Cir. St.	66.3	45.5	N.W.	1.0				
12	29.818	57.4	52.2	83	5.0	6.6	Nimb.	65.4	47.2	W.S.W.	1.0				
13	29.819	46.8	42.8	90	9.0	10.0	Nimb.	55.4	44.0	N.N.W.	4.6	0.47	0.47		
14	29.997	54.8	41.3	58	2.5	9.0	Strat.	63.9	43.6	N.W.	3.0	0.19	0.19		
15	30.209	59.4	50.4	73	4.0	4.0	Cir. St.	69.5	51.6	W.S.W.	3.3				
16	30.110	68.0	55.5	69	2.2	1.3	Cir. St.	75.6	55.0	S.S.W.	1.6			Aurora with streamers.	
17	29.914	65.5	60.5	85	0.0	10.0	Nimb.	70.7	60.8	S.S.W.	1.0				
18	29.833	65.1	55.6	74	4.5	5.3	Cu. St.	71.4	51.8	W.S.W.	2.0	0.27	0.27		
19	30.046	62.3	52.8	72	3.0	1.0	Cu.	70.4	54.2	W.S.W.	1.0			Faint Auroral light.	
20	29.926	62.9	58.3	86	4.5	4.6	Nimb.	72.7	53.2	S.S.W.	1.0			Faint Auroral light.	
21	29.648	65.4	63.8	96	9.0	9.0	Nimb.	72.3	62.5	W.S.W.	1.6	0.13	0.13	Thunderstorm at 2 & 8 p.m.	
22	29.715	56.0	46.3	71	5.5	4.3	Cu. St.	65.6	52.2	W.S.W.	3.3	0.83	0.83	High wind during night.	
23	29.904	56.5	49.1	80	9.0	6.0	Cu. St.	64.6	45.6	S.W.	4.0			Dist. lightning in evening.	
24	30.103	51.2	39.1	61	4.5	1.0	Cir.	57.3	44.9	S.W.	1.0	0.28	0.28		
25	29.701	62.7	57.3	84	8.5	8.6	Cu. St.	72.2	46.0	S.	4.3			Thunderstorm. Hail.	
26	29.491	57.7	51.3	80	10.0	7.3	Cu.	63.5	53.0	W.	1.6	1.72	1.72	Thunderstorm. Hail.	
27	29.827	49.7	40.0	63	8.0	7.3	Cu. St.	55.8	46.0	W.N.W.	2.6	0.54	0.54		
28	30.109	44.4	35.3	66	6.0	4.6	Cu. St.	50.5	37.9	W.S.W.	2.3	0.02	0.02		
29	29.997	40.5	35.6	82	4.5	4.6	Cu. St.	48.2	37.5	N.N.W.	2.6	0.34	0.34		
30	30.324	36.5	25.9	61	4.5	3.3	Cu. St.	42.2	32.0	W.S.W.	1.6	0.02	0.02		
31	30.432	39.6	30.0	65	2.5	0.0	0	47.7	29.0	W.S.W.	1.3			{ Hoar frost, very slight indications of snow. Thin ice on pools.	
S's															
M's	29.971	57.53	47.83	712				65.61	49.82				5.09		

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT TORONTO IN SEPTEMBER, 1860.

Compiled from the Records of the Magnetic Observatory.

Day.	DAILY MEANS OF THE							THERMOMETER.		WIND.		RAIN AND SNOW in 24 hours, ending at 6 A.M. next day.			GENERAL REMARKS.
	Barometer reduced to 32° Fah.	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.	Dew Point at 3 P.M.	°	°	General Direction.	Mean Velocity in Miles per hour.	Rain.	Snow.	Total rain and melted snow.	
	Inches.	°	0-100	0-10	°	°	°					Inch.	Inch.	Inch.	
1	29.6502	54.43	62	1	64.2	50.8	39.0	N. 23 W.	8.06						
2	Sun day				65.8	45.2		S. 27 W.	2.64						
3	5813	59.47	76	0	66.6	45.8	56.0	N. 65 E.	4.93						Solar halo at noon.
4	7345	65.07	84	8	72.2	54.0	64.0	S. 23 E.	2.83	Inap.					{ Brilliant Aurora and great magnetic disturbance.
5	6737	69.75	85	9	75.8	62.6	68.0	N. 48 W.	5.45	Inap.					Rainbow at 5 p. m.
6	7243	66.15	67	4	74.2	64.5	60.0	N. 35 W.	4.33						
7	5915	66.57	75	8	72.5	55.8	65.5	N. 43 E.	3.45	0.020					
8	6835	54.13	83	8	66.0	52.2	48.0	N. 9 E.	7.09	.520					
9	Sun day				62.2	45.2		N. 24 W.	5.77						
10	6537	53.93	71	6	62.8	46.0	49.0	S. 64 W.	4.92						Auror'l light and streamers.
11	5225	49.60	77	4	59.0	44.8	55.5	N. 59 W.	10.92	.170					
12	7523	46.37	62	4	52.8	32.0	31.0	N. 39 W.	10.55						
13	8513	54.00	66	1	67.0	38.8	42.0	N. 67 W.	3.91						
14	8665	59.62	76	3	70.8	45.7	55.5	S. 3 W.	3.67						
15	7118	63.92	79	2	72.0	49.2	62.0	S. 18 W.	5.64	.610					Thunderstorm during night
16	Sun day				65.5	62.3		S. 29 W.	4.65	.057					
17	6163	57.85	80	3	68.0	51.5	58.0	S. 80 W.	1.87						
18	7032	57.07	80	0	65.2	48.9	53.0	S. 79 E.	1.05						
19	5788	60.98	86	8	69.2	51.2	62.5	N. 16 W.	2.59						Lightning during evening.
20	3942	53.42	88	7	60.2	55.8	60.5	N. 73 W.	7.76	.060					
21	5262	47.80	74	2	59.4	41.6	33.5	S. 80 W.	8.46	Inap.					Thin ice a.m.
22	5112	55.98	73	6	66.8	40.6	61.0	S. 60 W.	8.77	.017					Perfect rainbow at night.
23	Sun day				57.8	39.2		N. 81 E.	4.57						Thin ice a.m.
24	3667	58.68	78	10	63.0	50.0	53.5	S. 48 W.	6.20	.130					Distant thunder during day.
25	3432	53.32	69	4	61.0	50.8	45.0	N. 86 W.	12.29	.005					Double rainb. 5 p.m., aur. at
26	7748	47.08	66	5	56.5	41.6	34.5	N. 76 W.	8.96						Lunar halo perfect. [night.
27	7892	46.00	79	8	52.0	41.4	43.0	N. 74 W.	4.70	.080					Lightning during evening.
28	8902	42.47	64	4	52.0	40.2	34.0	N. 44 W.	10.68						Thin ice a.m.
29	30.007	39.90	61	6	45.2	35.2	31.0	S. 12 W.	1.88						
30	Sun day				44.8	28.7		N. 74 E.	5.13	.290					{ Ice 1/2 of an inch thick. Perfect lunar halo.
S's											1.959				
M's	29.6738	55.34	74	5	63.12	47.29	50.20	N. 71° W.	5.79						