

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT MONTREAL IN DECEMBER, 1859.

By Archibald Hall, M.D.

Day.	DAILY MEANS OF THE							THERMOMETER.		WIND.		RAIN AND SNOW.			GENERAL OBSERVATIONS.
	Barometer corrected and reduced to 32° at 10 P. M.	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 hours read at 10 A.M.	Snow in 24 hours read at 10 A.M.	Total rain and melted snow.		
						Amount.	General Description.								
1	Inch's.	°	°	0.1000	10	10		0	0	0.10	Inch.	Inch.	Inch.		
2	29.671	42.0	37.9	.89	9.7	10.0	Cu. St. Nim.	47.12	27.0	S.S.W.	1.0	1.0	0.19		
3	30.070	18.4	11.5	.89	9.6	10.0	Cu. St. Nim.	28.5	11.3	N.N.E.	0.19	0.19	0.38		
4	30.744	0.8	-12.2	.57	4.0	4.0	Cir. St.	7.2	-4.0	N.	1.0	3.0	0.30	Lunar Halo.	
5	30.569	9.5	1.9	.81	8.5	10.0	Nim.	12.0	-2.0	N.E.	2.6	2.25	0.30		
6	30.331	23.5	19.3	.91	9.5	10.0	Nim.	27.3	10.0	N.	1.6	Inap.	3.25	0.44	Misty evening.
7	30.010	26.3	33.2	.90	10.0	6.6	Nim.	40.3	25.6	S.S.E.	0.8	0.38	0.38	Fog, early, A. M.	
8	30.836	32.4	29.5	.95	10.0	10.0	Nim. Cu. St.	43.8	33.4	W.	1.3	0.37	0.37		
9	30.247	12.2	1.7	.73	2.5	1.0	Cu.	23.8	8.0	Calm.	0.6	0.50	0.27		
10	30.079	16.6	8.0	.78	4.0	6.0	Cu. St. Nim.	22.0	5.0	S.	0.6	0.30	0.24		
11	30.147	10.4	1.4	.82	4.5	7.0	Nim. St.	23.7	12.0	W.	1.6	0.49	0.27		
12	32.760	17.4	11.8	.87	8.0	10.0	Cu. St. Nim.	24.0	1.5	S.	1.0	0.49	0.61		
13	32.732	-2.5	-15.2	.50	4.7	0.6	St. Cu.	23.1	-7.2	W.S.W.	2.6	1.60	0.18	Auroral arch in evening.	
14	30.306	-1.4	-13.9	.52	1.0	0.3	St.	9.2	-9.3	W.S.W.	1.0	0.30	0.03	Aurora with streamers, 4 A. M.	
15	30.274	5.9	-2.1	.80	3.7	10.0	Cu. St. Nim.	12.0	-7.6	N.	2.0	0.30	0.03		
16	30.074	15.8	1.5	.70	3.0	7.0	Cu. St. St.	17.2	9.5	W.N.W.	1.0	Inap.	Inap.	Auroral Arch.	
17	30.248	20.5	12.9	.85	6.7	6.6	Cu. St.	26.2	14.0	N.E.	0.6	0.30	0.02		
18	30.243	20.2	0.4	.65	1.5	0.3	Cir.	23.5	12.2	N.E.	1.3	0.30	0.02	Bright Zodiacal light.	
19	32.903	22.7	12.7	.81	9.0	10.0	Cu. St. Nim.	23.4	13.5	N.E.	3.0	3.00	0.28		
20	32.793	26.6	20.8	.87	7.0	10.0	Cu. St. Nim.	31.3	20.8	N.	1.0	6.40	0.76		
21	32.625	32.0	28.5	.89	8.5	10.0	Nim.	36.8	23.6	W.	1.0	0.40	0.05		
22	32.690	21.2	13.9	.84	7.5	10.0	Cu. St.	31.9	12.0	W.	1.6	2.40	0.34		
23	32.875	10.4	0.2	.75	4.2	3.0	Cu. St. St.	13.5	5.0	W.S.W.	1.3	0.30	0.02	Bright Zodiacal light.	
24	32.643	18.7	10.7	.83	6.2	10.0	Cu. St. Nim.	26.2	6.5	S.W.	1.0	0.30	0.02		
25	32.856	-4.4	-19.5	.60	1.2	0.3	St.	19.0	-10.2	W.	2.6	0.40	0.04	Bright Zodiacal light.	
26	32.884	-0.9	-1.1	.68	4.0	10.0	Cu. St.	5.9	-12.3	S.W.	3.3	0.30	0.13		
27	32.684	5.3	-2.3	.79	7.5	10.0	Nim.	8.0	-5.0	N.N.W.	2.0	3.70	0.26		
28	30.323	-2.3	-13.6	.57	1.7	0.0	0	11.9	-6.0	N.W.	1.6	0.50	0.13	Zodiacal light, Auroral light.	
29	30.560	-11.5	-17.1	.67	1.0	0.0	0	-6.0	-16.8	N.N.E.	1.0	0.30	0.02	Zodiacal light faint. Hazy.	
30	30.273	-12.9	-21.5	.44	0.0	3.3	Cu. St.	-9.2	-21.3	N.N.E.	1.0	0.30	0.02		
31	32.779	4.5	-2.7	.83	7.0	10.0	Nim.	9.0	-12.5	N.	2.0	7.30	0.58		
30	32.934	8.6	-0.3	.81	7.0	5.6	Cu. St.	14.8	0.0	W.N.W.	3.3	1.10	0.03		
S's											0.84	40.4	4.95		
M's	30.050	13.37	4.09	.763		6.5		20.51	3.90						

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT TORONTO IN DECEMBER, 1859.

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° Fat.	Temperature of the Air.	Relative Humidity.	Amount of Cloudiness.	Max. read at 6 A.M. of next day.	Min. read at 2 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.	
1	Inches.	°	0-100	0-10	°	°		°			Inch.	Inch.	Inch.	
2	29.443	44.37	90	10	54.8	40.8	50.0	0	N. 79 W.	15.00	0.255	0.1	0.265	
3	29.627	47.27	84	10	23.8	17.3	12.0	0	N. 37 W.	13.02	0.1	0.250	0.200	
4	30.272	6.80	81	8	17.0	0.8	4.0	0	N. 12 E.	14.54	0.1	0.250	0.250	
5	Sunday				28.0	8.0	0	0	N. 23 E.	12.98	0.5	0.250	Inap.	
6	30.817	34.23	92	10	38.2	23.5	35.5	0	N. 66 E.	3.67	Inap.	0.5	0.250	
7	30.745	33.03	92	10	42.0	31.2	40.1	0	N. 63 W.	10.51	7.80	3.5	1.130	
8	30.745	15.83	86	10	22.0	19.3	14.0	0	N. 88 W.	8.58	0.5	0.250	0.250	
9	30.946	9.60	82	7	18.8	4.0	9.0	0	N. 70 W.	5.06	0.5	0.250	0.250	
10	30.674	22.25	87	7	27.0	6.3	23.0	0	N. 66 W.	18.46	0.5	0.059	0.059	
11	30.904	15.00	84	6	29.5	4.2	12.0	0	N. 79 W.	7.86	0.5	0.059	0.059	
12	Sunday				37.2	10.5	14.0	0	N. 74 W.	17.91	0.2	0.020	0.020	
13	30.544	8.33	84	4	14.4	1.0	6.5	0	N. 66 W.	5.70	0.1	0.010	0.010	
14	30.869	13.63	84	3	20.0	3.2	10.0	0	N. 5 E.	6.02	0.0	0.300	0.300	
15	30.829	15.90	90	3	19.8	15.2	13.5	0	N. 9 W.	7.53	0.2	0.020	0.020	
16	30.817	17.48	83	7	26.6	9.0	18.5	0	S. 45 W.	1.67	Inap.	Inap.	Inap.	
17	30.793	20.60	82	7	32.2	10.4	25.0	0	N. 16 E.	4.07	0.2	0.020	0.020	
18	30.543	29.03	93	10	32.0	22.3	24.0	0	N. 73 E.	20.39	4.0	0.400	0.400	
19	Sunday				33.6	28.5	28.0	0	S. 69 E.	11.01	6.0	0.600	0.600	
20	30.425	32.07	87	10	35.0	31.0	28.0	0	S. 63 W.	3.05	0.4	0.040	0.040	
21	30.293	29.60	92	10	32.2	29.2	30.0	0	N. 40 W.	5.84	1.5	0.150	0.150	
22	30.542	21.08	85	10	24.8	19.2	15.0	0	S. 88 W.	13.33	0.2	0.020	0.020	
23	30.515	17.02	89	7	21.0	15.2	16.0	0	N. 88 W.	6.82	0.2	0.020	0.020	
24	30.408	14.12	86	6	18.3	14.0	9.5	0	N. 88 W.	14.82	0.3	0.030	0.030	
25	30.640	7.78	90	8	14.2	-1.9	5.0	0	S. 89 W.	10.19	0.2	0.020	0.020	
26	Sunday				30.3	7.3	0	0	S. 77 W.	4.59	0.2	0.020	0.020	
27	30.035	6.07	84	2	14.9	5.6	2.0	0	N. 48 W.	12.21	Inap.	Inap.	Inap.	
28	30.073	-0.53	89	10	2.5	-3.0	-3.0	0	N. 18 E.	12.18	3.5	0.350	0.350	
29	29.599	7.02	89	10	14.0	-1.5	2.0	0	N. 45 E.	18.18	4.0	0.400	0.400	
30	30.439	16.05	80	6	25.0	6.6	20.0	0	N. 48 E.	14.07	0.2	0.020	0.020	
31	30.785	-1.08	85	1	3.0	-6.0	-3.0	0	S. 73 W.	13.90	0.2	0.020	0.020	
S's											1.035	37.4	4.775	
M's	29.7093	17.89	87	7	25.26	12.94	16.12		N. 53 W.	10.76				