

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT MONTREAL IN OCTOBER, 1861.

By Archibald Hall, M.D.

Day.	DAILY MEANS OF THE							THERMOMETER.		WIND.			RAIN AND SNOW.			GENERAL OBSERVATIONS.
	Barometer reduced to 32° Fahr.	Temperature of the Air.	Dew Point.	Relative Humidity.	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	Rain in 24 hrs read at 10 A.M.	Snow in 24 hrs read at 10 A.M.	Total rain and melted snow.				
					Ozone.	Ambient.							General description			
1	30.361	51.1	46.2	85	0.10	0.10	53.0	40.0	S.S.W.	0.10	Inch.	Incl.				
2	29.921	60.8	53.1	80	7.50	4.3	67.5	52.6	S.	0.0						
3	29.859	63.4	53.0	86	7.50	3.0	65.9	48.5	S.W.	4.0	Inap.	Inap.				
4	30.107	48.8	41.3	17	8.00	9.9	52.4	44.5	S.S.E.	2.6						
5	29.861	44.4	43.2	81	9.50	10.0	48.8	39.0	N.N.E.	4.0	0.35	0.35				
6	29.744	57.1	53.1	89	10.00	10.0	60.6	45.4	W.	1.3	0.20	0.20				
7	30.142	53.6	48.0	84	10.00	10.0	57.0	47.0	W.	2.3	0.85	0.85				
8	30.196	50.4	45.5	84	9.00	6.0	54.0	42.0	N.	2.0	0.38	0.38		Hoar frost early A.M.		
9	30.345	53.6	48.4	85	9.00	1.3	59.6	50.0	N.	1.3	0.10	0.10				
10	30.243	55.2	49.7	84	7.50	2.3	62.0	42.4	N.N.E.	1.0						
11	29.865	50.4	46.8	95	10.00	9.0	53.0	46.5	N.N.E.	1.0	Inap.	Inap.		Aurora with streamers.		
12	29.628	54.2	47.1	79	9.00	7.3	53.0	49.9	S.W.	2.0	0.92	0.92				
13	29.509	50.9	46.9	90	9.00	9.3	56.5	45.0	W.N.W.	3.6	0.28	0.28				
14	29.780	50.6	41.9	90	7.50	5.3	57.6	39.5	W.N.W.	3.0	0.01	0.01				
15	30.030	50.0	39.8	71	5.00	2.0	55.9	42.9	W.	3.0				Aurora with streamers.		
16	30.083	51.0	42.7	75	5.00	8.6	58.5	36.2	E.S.E.	1.3				Solar Halo early A.M.		
17	29.952	59.6	53.9	85	5.50	9.6	63.8	35.2	S.W.	1.3						
18	29.850	51.9	48.5	81	10.00	10.0	58.2	46.5	N.	3.0	0.49	0.49				
19	29.672	49.9	45.5	87	10.00	10.0	59.0	42.0	N.E.	3.6	0.11	0.11				
20	29.936	45.2	35.6	70	8.00	1.3	53.0	39.5	W.N.W.	2.3	0.12	0.12				
21	30.313	39.0	30.4	70	4.00	0.0	43.0	32.4	W.N.W.	1.3	0.02	0.02		Hard frost.		
22	30.021	46.9	39.3	79	5.50	4.3	55.0	30.0	S.	4.0						
23	29.594	50.1	45.5	87	9.00	10.0	58.2	41.5	W.S.W.	3.6	0.13	0.13		Slight snow—Au. with stre.		
24	30.073	36.6	27.7	71	4.50	5.3	43.8	32.6	W.N.W.	2.3	0.14	0.14		Auroral light.		
25	30.329	33.6	29.9	70	4.00	2.0	45.2	27.2	S.	2.6						
26	30.164	46.7	40.3	79	5.50	10.0	53.5	35.8	S.	1.6						
27	30.263	39.4	30.4	71	3.50	0.6	53.4	35.5	N.N.E.	2.0	0.19	0.19		Aurora with streamers.		
28	30.149	35.9	27.6	69	2.00	0.0	41.0	23.2	W.N.W.	1.3				Hard frost.		
29	29.558	44.4	35.7	72	2.00	0.0	51.3	34.5	W.S.W.	1.2				Hard frost.		
30	29.434	44.1	35.9	73	4.50	6.3	49.8	34.4	E.S.E.	1.2				Hard frost.		
31	29.813	44.1	17.9	80	10.00	9.3	50.3	36.8	W.S.W.	2.0	0.05	0.05				
S's																
M's	29.605	49.00	42.46	806			55.12	40.11						4.25		

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT TORONTO IN OCTOBER, 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° Fahr.	Temperature of the Air.	Relative Humidity.	Amount of Cloudiness.	Maximum read at 9 A.M. of next day.	Minimum 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	29.8867	53.25	84	9	58.2	44.0	53.0	0	N	30	E	2.65			
2	5396	59.12	88	7	71.0	50.0	59.0	0	N	42	W	9.61			6 a.m. Foggy.
3	7018	56.07	70	5	65.2	54.0	57.0	0	N	62	W	7.16	.018		
4	6255	51.52	94	10	83.0	47.8	49.0	0	N	64	E	9.10	.625		
5	4337	55.25	96	10	59.4	47.0	55.0	0	N	40	E	3.60	.012		Lightning in S. at 8 p.m.
6		Sun day			55.5	51.1			N	53	W	7.32	.415		
7	7552	47.40	86	6	53.5	38.8	49.0	0	N	21	E	3.43			Solar halo.
8	8610	50.28	82	0	58.0	43.8	51.5	5	N	86	E	4.37			Solar halo.
9	9273	52.22	75	2	59.0	44.5	50.5	5	N	69	E	5.06			Fine Auroral display.
10	7778	52.33	84	4	60.6	47.2	50.0	0	E	72	W	3.76	.058		Rainbow at 5 p.m.
11	4530	52.75	90	9	43.8	47.2	42.0	0	S	59	W	9.50	.005		
12	1713	45.25	77	9	50.8	38.5			S	61	W	11.35	.003		Auroral light and streamers.
13		Sun day			67.4	35.5	54.0	0	S	71	W	6.73			
14	5547	50.12	75	6	55.2	35.0	39.0	0	S	69	E	4.02			Solar halo.
15	7575	46.23	74	6	57.3	45.5	44.0	0	S	84	E	2.49			Foggy, lunar halo.
16	6383	52.73	90	10	57.3	50.0	53.0	0	N	50	E	4.07	.080		
17	5708	56.83	83	9	62.0	55.0	55.0	0	N	63	E	4.29	.030		
18	4603	56.83	88	10	62.0	55.0	55.0	0	N	78	W	8.02	.072		
19	4202	51.63	82	9	57.2	52.0	49.0	0	N	55	W	7.07			
20		Sun day			52.4	40.5			E			9.43			
21	8473	44.40	75	1	52.0	38.5	37.0	0	S	8	W	6.47	.455		
22	4765	51.03	87	7	57.2	38.8	51.0	0	N	80	W	10.20	.043		First snow of season.
23	4175	40.75	77	6	47.4	49.8	36.0	0	N	55	W	6.55			Fine Auroral display.
24	8960	34.27	78	3	42.0	39.5	32.0	0	N	80	W	6.32			
25	9262	45.77	78	6	51.8	29.0	44.0	0	N	72	W	6.50			
26	8363	44.22	83	6	53.2	43.8	43.0	0	N	72	W	6.50			Lightning in S. 10 p.m.
27		Sun day			46.2	31.4			N	34	E	4.88			
28	7893	38.52	74	0	47.0	31.0	38.0	0	N	75	E	3.71			
29	2892	42.82	81	2	48.8	32.0	36.0	0	N	83	E	5.17	.105		
30	0910	40.83	89	6	45.5	41.0	37.0	0	N	44	W	4.67	.070		
31	6083	43.48	84	9	49.0	35.4	39.0	0	N	55	W	4.08			
S's															
M's	29.6191	48.74	82	6	53.34	41.62	46.46		N. 61	W.	5.96		1.993	Inap.	