

# ABSTRACT FOR THE MONTH OF DECEMBER, 1890.

Meteorological Observations, McGill College Observatory, Montreal, Canada. Height above sea level, 187 feet. C. H. McLEOD, Superintendent.

DAY.	THERMOMETER.				*BAROMETER.				† Mean pressure of vapour.	‡ Mean relative humidity.	Dew point.	WIND.		SKY CLOUDED IN TENTHS.			Per cent. of Possible Sunshine.	Rainfall in inches.	Snowfall in inches.	Rain and snow melted.	DAY.
	Mean.	Max.	Min.	Range.	Mean.	Max.	Min.	Range.				General direction.	Mean velocity in miles per hour.	Mean.	Max.	Min.					
1	0.00	14.3	-8.6	22.9	29.8803	29.962	29.805	.157	.0307	68.7	-8.0	W.	15.1	1.8	10	0	94	....	....	....	1
2	-10.45	-6.2	-14.6	8.4	30.2240	30.450	30.077	.373	.0185	72.3	-17.5	W.	14.3	1.0	5	0	94	....	....	....	2
3	-1.68	9.4	-11.8	21.2	30.0682	30.492	29.531	.961	.0353	83.2	-5.7	W.	14.6	8.3	10	0	90	....	10.8	....	3
4	10.03	12.2	7.5	4.7	30.7835	30.106	29.471	.635	.0562	82.3	5.7	W.	30.2	3.7	10	0	80	....	2.4	0.24	4
5	9.35	14.0	1.6	12.4	30.3407	30.437	30.272	.165	.0497	75.3	3.4	W.	4.1	3.7	10	0	53	....	Inapp.	0.00	5
6	4.20	14.9	-5.8	20.7	30.1392	30.437	29.902	.535	.0482	89.7	1.7	W.	9.9	9.0	10	0	60	....	1.8	0.16	6
SUNDAY.....	7	.....	16.5	9.9	6.6	.....	.....	.....	.....	.....	.....	W.	21.9	.....	.....	.....	92	....	.....	.....	7
8	5.02	10.5	0.8	9.7	30.2710	30.409	30.076	.333	.0465	85.7	1.7	W.	5.0	3.5	10	0	49	....	Inapp.	0.00	8
9	12.78	25.0	-0.2	25.2	29.7788	30.032	29.642	.390	.0768	91.5	10.7	W.	10.8	10.0	10	10	00	....	1.2	0.05	9
10	27.22	29.6	24.5	5.1	29.4425	29.622	29.326	.296	.1407	94.8	26.0	S.	12.3	9.8	10	9	00	....	2.5	0.25	10
11	25.73	29.6	22.8	6.8	29.5897	29.634	29.533	.101	.1167	84.2	21.7	W.	8.2	9.8	10	9	00	....	0.1	0.00	11
12	5.28	24.0	-3.5	27.5	29.9123	30.129	29.653	.476	.0457	73.8	-1.5	W.	20.4	4.5	10	0	60	....	0.7	0.05	12
13	1.95	7.8	-4.4	12.2	30.1355	30.205	30.018	.187	.0368	77.5	-3.8	W.	16.5	8.3	10	0	41	....	0.1	0.01	13
SUNDAY.....	14	.....	30.0	5.0	25.0	.....	.....	.....	.....	.....	.....	S.W.	14.7	.....	.....	.....	00	....	3.2	0.27	14
15	18.38	30.6	7.6	23.0	30.3017	30.524	29.955	.569	.0895	85.5	14.5	S.W.	8.1	8.3	10	0	00	....	0.1	0.01	15
16	2.27	9.0	-5.9	14.9	30.4992	30.602	30.404	.198	.0438	90.5	-0.2	N.E.	9.9	5.5	10	1	05	....	.....	.....	16
17	15.15	21.8	5.5	16.3	30.2455	30.395	29.993	.402	.0763	75.8	11.7	N.E.	15.6	9.5	10	1	00	....	Inapp.	0.00	17
18	22.08	27.9	11.7	16.2	29.7733	29.926	29.676	.250	.0903	74.3	15.3	W.	26.3	5.5	10	0	49	....	.....	.....	18
19	2.58	12.0	-1.5	13.5	30.3262	30.523	30.141	.382	.0300	61.0	-8.0	W.	27.4	0.7	4	0	85	....	.....	.....	19
20	5.22	14.0	-5.9	19.9	30.3832	30.573	30.144	.429	.0370	65.3	-4.2	S.	11.9	1.7	10	0	84	....	.....	.....	20
SUNDAY.....	21	.....	35.1	13.2	21.9	.....	.....	.....	.....	.....	.....	S.	21.0	.....	.....	.....	00	0.05	1.3	0.29	21
22	17.70	35.4	12.9	22.5	29.9478	30.072	29.775	.297	.0793	78.3	11.5	W.	24.2	7.8	10	1	84	....	.....	.....	22
23	23.40	33.1	12.8	20.3	29.5765	29.666	29.503	.163	.1073	83.7	19.0	S.W.	7.7	7.7	10	1	39	....	.....	0.14	23
24	6.03	21.1	2.8	18.3	30.0682	30.270	29.839	.431	.0358	62.2	-4.3	W.	24.0	0.8	7	0	93	....	.....	.....	24
25	-2.93	3.9	-5.5	9.4	30.5742	30.677	30.425	.252	.0270	72.3	-10.2	W.	18.0	0.2	1	0	95	....	.....	.....	25
26	-4.55	4.7	-13.0	17.7	30.3682	30.672	29.925	.747	.0315	88.5	-7.3	N.E.	12.8	8.3	10	0	60	....	1.6	0.15	26
27	13.22	17.5	4.2	13.3	29.4890	29.712	29.368	.344	.0675	85.0	9.7	W.	21.7	10.0	10	10	00	....	1.8	0.17	27
SUNDAY.....	28	.....	15.6	-7.9	23.5	.....	.....	.....	.....	.....	.....	W.	26.9	.....	.....	.....	95	....	0.1	0.01	28
29	3.27	10.8	-4.6	15.4	29.8855	30.250	29.657	.593	.0385	75.2	-3.2	S.	14.5	8.5	10	2	00	....	2.0	0.09	29
30	-9.47	-4.6	-14.0	9.4	30.4930	30.526	30.419	.107	.0213	77.8	-14.7	N.E.	7.8	7.7	10	0	15	....	.....	.....	30
31	-9.02	-5.8	-15.0	9.2	30.4103	30.518	30.251	.267	.0213	77.0	-14.8	N.E.	17.1	2.7	10	0	91	....	.....	.....	31
..... Means	7.14	16.57	0.66	15.91	30.0718	.....	.....	.372	.0555	79.3	1.80	.....	16.35	5.8.7	.....	.....	41.9	0.05	32.3	2.79	Sums
16 yrs. means for & including this mo.	18.29	25.35	10.92	14.42	30.0195	.....	.....	.293	.0963	82.3	.....	.....	.....	7.11	.....	.....	28.4	1.34	24.5	3.75	16 yrs. means for and including this month.

## ANALYSIS OF WIND RECORD.

Direction..	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
Miles..	451	1441	119	272	1122	1581	6861	317	
Duration in hrs..	26	95	15	28	76	80	374	19	31
Mean velocity...	17.3	15.2	7.9	9.7	14.8	19.8	18.3	16.7	

Greatest mileage in one hour was 44 for four consecutive hours on the 4th.  
Greatest velocity in gusts, 52 miles per hour on the 4th.

Resultant mileage, 6,915.  
Resultant direction, S. 84° W.  
Total mileage, 12,164.

\* Barometer readings reduced to sea-level and giving a range of 1,351 inches. Maximum relative temperature of 32° Fahr. Minimum relative humidity was 100 on 4 days. Minimum relative humidity was 54 on the 24th.

† Observed.  
‡ Pressure of vapour in inches of mercury.  
§ Humidity relative, saturation being 100.  
¶ Nine years only.

The greatest heat was 35.4 on the 22nd; the greatest cold was 15.0 below zero on the 31st, giving a range of temperature of 50.4 degrees. Warmest day was the 10th. Coldest day was the 2nd. Highest barometer reading was 30.677 on the 25th; lowest barometer was 29.326 on the 10th,

Rain fell on 1 day.  
Snow fell on 19 days.  
Rain or snow fell on 19 days.  
Rain and snow fell on 1 day.  
Hoar frost on 2 days.  
Fog on 8 days.