

# ABSTRACT FOR THE MONTH OF DECEMBER, 1900.

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

DAY	THERMOMETER.				*BAROMETER.				† Mean relative humidity.	α WIND.		Per cent. 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					
1	32.92	34.0	31.0	3.0	30.03	30.09	29.99	.10	88	W.	5.0	00	0.05	0.7	0.12	1
SUNDAY..... 2	33.92	35.5	31.6	3.9	30.20	30.23	30.08	.15	90	W.	5.7	00	....	0.0	0.00	2.....SUNDAY
3	33.57	34.2	33.0	1.2	30.18	30.24	30.11	.13	95	S.W.	5.5	00	0.07	0.6	0.13	3
4	31.13	34.0	27.2	6.8	29.88	30.11	29.53	.58	98	N.E.	12.1	00	....	3.4	0.34	4
5	23.57	27.2	21.1	6.1	29.67	29.88	29.52	.36	89	N.E.	13.0	00	....	3.2	0.32	5
6	24.66	27.0	21.7	5.3	30.08	30.20	29.88	.32	90	E	6.8	00	....	0.5	0.05	6
7	23.23	26.7	19.0	7.7	30.15	30.22	30.08	.14	94	S.	6.7	00	....	2.0	0.20	7
8	16.83	21.2	8.7	12.5	30.06	30.22	29.68	.54	89	N.E.	13.0	00	....	....	....	8
SUNDAY..... 9	13.17	33.9	- 5.5	39.4	29.66	30.07	29.30	.77	83	W.	28.8	84	0.00	2.2	0.22	9.....SUNDAY
10	- 5.48	- 1.4	-12.4	11.0	30.25	30.33	30.07	.26	85	W.	20.8	88	....	....	....	10
11	1.78	4.6	- 4.7	9.3	30.06	30.21	29.97	.24	95	S.	8.7	04	....	0.3	0.03	11
12	0.95	5.2	- 3.0	8.8	30.15	30.23	30.04	.19	90	W.	11.7	72	....	0.6	0.06	12
13	7.68	12.1	2.1	10.0	29.73	30.05	29.58	.47	91	W.	18.3	00	....	5.8	0.58	13
14	2.37	9.5	- 4.8	14.3	30.30	30.53	29.83	.47	89	W.	17.7	16	....	....	....	14
15	6.59	8.5	4.2	4.3	30.57	30.60	30.52	.08	95	W.	2.7	00	....	0.0	0.00	15
SUNDAY..... 16	5.74	8.2	1.4	6.8	30.58	30.61	30.57	.04	92	S.	4.3	00	....	0.0	0.00	16.....SUNDAY
17	1.83	3.3	- 0.6	3.9	30.46	30.34	30.34	.26	90	S.	2.7	00	....	0.5	0.05	17
18	3.67	11.2	- 2.5	13.7	30.19	30.34	29.98	.36	91	E.	1.8	00	....	0.0	0.00	18
19	25.46	35.1	10.1	25.0	29.90	29.98	29.86	.12	91	S.W.	20.0	00	0.06	0.5	0.11	19
20	31.72	35.8	22.3	13.5	29.91	30.05	29.85	.20	88	W.	18.4	00	0.01	0.3	0.04	20
21	16.79	22.3	12.4	9.9	30.05	30.12	30.01	.11	92	N.W.	7.5	85	....	....	....	21
22	14.94	22.8	7.5	15.3	30.00	30.05	29.98	.07	84	E.	11.3	24	....	....	....	22
SUNDAY..... 23	22.00	36.9	11.0	25.9	29.93	30.00	29.81	.19	85	S.	16.1	00	0.05	....	0.05	23.....SUNDAY
24	35.37	39.0	30.6	8.4	29.77	30.57	29.71	.10	80	W.	21.0	28	....	....	....	24
25	32.04	34.3	29.2	5.1	29.71	29.79	29.67	.12	80	S.W.	19.3	21	....	0.0	0.00	25
26	20.37	30.0	10.6	19.4	29.84	30.10	29.69	.41	90	W.	20.3	27	....	1.6	0.16	26
27	11.67	25.1	0.6	24.5	30.18	30.25	30.09	.16	88	W.	19.4	63	....	0.0	0.00	27
28	23.79	30.8	12.0	18.8	29.89	30.09	29.78	.31	87	W.	19.3	21	....	2.3	0.23	28
29	22.37	28.3	9.5	18.8	29.83	29.80	29.73	.07	82	W.	27.2	00	....	0.0	0.00	29
SUNDAY..... 30	29.69	34.1	22.6	11.5	29.73	29.77	29.66	.09	89	S.W.	25.3	49	....	0.5	0.05	30.....SUNDAY
31	33.50	36.0	29.6	6.4	29.74	29.84	29.69	.15	93	W.	16.1	00	....	0.2	0.02	31
Means.....	18.64	24.05	12.09	11.95	30.022	30.141	29.891	.250	89.1	W. 16.7° S	13.78	18.8	0.24	25.2	2.76	.....Sums.
26 Years means for and including this month.....	19.14	26.19	12.00	14.19	30.029	.....	.....	.295	83.42	....	§ 16.27	¶ 27.96	1.32	23.55	3.61	26 Years 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.....	330	864	412	47	1048	2326	5140	77	
Duration in hrs..	52	63	51	7	98	130	307	6	30
Mean velocity....	6.3	13.7	8.1	6.7	10.7	17.9	16.7	12.8	

Greatest mileage in one hour was 40 on the 9th.  
 Greatest velocity in gusts was 44 miles per hour on the 9th.

Resultant mileage, 6035.  
 Resultant direction, W. 16.7° S.  
 Total mileage, 10,244.  
 α—Wind on the 10th, 17th and 18th from City Hall Anemometer.

\* Barometer readings reduced to sea-level and temperature 32° Fahrenheit.

† Mean of bi-hourly readings taken from self-recording instruments.

‡ Humidity relative, saturation being 100. Mean of observations at 8, 15 and 20 hours.

§ 19 years only. ¶ 14 years only.

The greatest heat was 39.0 on the 24th; the greatest cold was 12.4 below zero on the 10th, giving a range of temperature of 51.4 degrees.

Warmest day was the 24th. Coldest day was the 10th. Highest barometer reading was 30.61 on the 16th. Lowest barometer was 29.30 on the 9th, giving a range of 1.31 inches.

Minimum relative humidity observed was 71 on the 23rd.

Rain fell on 6 days.

Snow fell on 24 days.

Rain or snow fell on 25 days.

Hoar frost on the 16th, 17th and 18th.

Lunar Halo on the 22nd.

Fog on 1 day.