

ABSTRACT FOR THE MONTH OF JANUARY, 1905.

Meteorological Observations, McGill College Observatory, Montreal, Canada. Height above sea level, 137 feet. C. H. McLEOD, Superintendent.

DAY	THERMOMETER.				* BAROMETER.				Mean relative humidity.	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.					
SUNDAY..... 1	35.9	37.0	34.8	2.2	29.71	29.79	29.53	.26	96	S.W.	15.9	..	....	....	....	1.....SUNDAY
2	28.3	35.8	10.5	25.3	29.80	29.95	29.76	.19	97	N.E.	9.6	..	....	....	.03	2
3	1.2	9.4	-3.5	12.9	30.03	30.09	29.95	.14	60	N.E.	11.2	..	....	....	....	3
4	-2.4	1.0	-7.7	8.7	30.63	30.18	29.96	.22	62	N.W.	12.8	61	....	....	....	4
5	-5.5	-4.0	-10.4	6.4	30.46	30.64	30.18	.46	51	N.W.	3.2	78	....	....	....	5
6	-3.3	5.5	-11.3	16.8	30.50	30.65	30.21	.44	69	N.E.	14.6	..	....	6.7	.60	6
7	21.6	32.5	4.8	27.7	29.51	30.21	29.15	1.06	93	N.E.	25.0	03	....	6.2	.64	7
SUNDAY..... 8	16.9	24.4	10.2	14.2	29.68	30.10	29.38	.72	87	S.W.	22.9	44	....	2.2	.14	8.....SUNDAY
9	18.0	28.0	8.0	20.0	30.33	30.44	30.10	.24	89	S.W.	15.8	..	....	....	....	9
10	18.5	24.0	12.4	11.6	30.25	30.51	30.15	.36	79	S.W.	26.4	75	....	2.3	.20	10
11	3.1	12.4	-3.6	16.0	30.69	30.79	30.51	.28	75	N.W.	14.4	42	....	....	....	11
12	9.7	18.3	2.0	16.3	29.99	30.79	29.71	.88	89	N.E.	9.1	..	....	8.5	.85	12
13	4.3	14.3	-1.0	15.3	30.26	30.35	29.91	.44	74	N.W.	15.5	86	....	....	....	13
14	-4.1	3.9	-8.0	11.9	30.33	30.38	30.30	.08	68	N.W.	10.9	53	....	....	....	14
SUNDAY..... 15	6.7	15.2	-3.4	23.6	30.04	30.31	29.86	.45	81	S.W.	22.7	09	....	.6	.05	15.....SUNDAY
16	17.4	21.8	12.0	9.8	29.82	29.90	29.72	.18	85	S.W.	21.9	44	....	4.1	.38	16
17	16.6	22.0	11.6	8.4	29.91	30.00	29.72	.28	87	N.W.	13.8	48	....	1.3	.12	17
18	4.4	12.5	-0.9	12.4	30.14	30.26	29.87	.29	79	N.E.	8.3	27	....	.8	.07	18
19	28.0	36.3	0.5	35.8	29.52	29.87	29.35	.52	90	S.W.	23.9	22	....	5.9	.63	19
20	13.9	19.3	9.0	10.3	29.97	30.10	29.67	.43	78	S.W.	11.4	77	....	....	....	20
21	5.5	7.4	-2.5	9.9	30.16	30.22	30.10	.12	79	N.E.	8.0	..	....	.7	.07	21
SUNDAY..... 22	10.6	14.2	5.7	8.5	30.16	30.22	30.09	.13	83	S.W.	8.3	14	....	1.0	.10	22.....SUNDAY
23	2.4	8.2	-3.3	11.5	30.31	30.35	30.22	.13	63	S.W.	10.7	81	....	....	....	23
24	-2.8	1.9	-11.0	12.9	30.23	30.31	30.16	.15	65	N.E.	11.7	05	....	....	....	24
25	1.2	6.2	-3.0	9.2	30.13	30.17	30.10	.07	67	N.E.	24.7	37	....	....	....	25
26	-2.1	2.5	-3.5	11.0	30.14	30.17	30.09	.08	75	S.W.	22.1	61	....	....	....	26
27	9.5	18.0	-2.0	20.0	29.99	30.17	29.84	.33	90	S.W.	15.0	..	....	3.3	.30	27
28	15.7	22.0	9.7	12.3	29.91	30.14	29.80	.34	88	S.W.	8.5	..	....	2.0	.20	28
SUNDAY..... 29	3.8	13.8	-3.5	17.3	30.33	30.38	30.14	.24	72	S.W.	12.5	69	....	.9	.00	29.....SUNDAY
30	6.6	12.0	-1.0	13.0	30.49	30.60	30.35	.25	76	W.	8.0	81	....	....	....	30
31	-0.5	5.2	-3.5	13.7	30.53	30.61	30.43	.18	70	N.E.	8.2	03	....	....	....	31
Means.....	8.96	15.4	2.1	14.3	30.109	30.27	29.95	.33	78.1	N 77° W	14.41	-33	.65	45.6	4.43	Sums.....
31 Years means for and including this month.....	12.18	20.4	4.2	16.2	30.049	.....	.....	.34	82.3	.....	16.15	33.7	.50	30.8	3.74	{ 31 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	157	2723	83	231	339	2424	3272	1493	
Duration in hrs..	18	211	12	22	24	130	191	113	13
Mean velocity....	8.7	12.9	6.9	10.9	10.0	18.6	17.1	13.2	

Greatest mileage in one hour was 44 on the 19th
Greatest velocity in gusts was 60 on the 19th.
Resultant mileage, 3,950.

Resultant direction, N. 77° W.
Total mileage, 10,722.

* 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.
‡ 24 years only. ‡ 19 years only.

The greatest heat was 37.0° above zero on the 1st. The greatest cold was 11.5° below zero on the 6th, giving a range of temperature of 48.5 degrees.

Warmest day was the 1st. Coldest day was the 5th.

Highest barometer reading was 30.79 on the 11th; lowest barometer was 29.15 on the 7th, giving a range of 1.64 inches.

Minimum relative humidity observed, was 48 on the 5th.

Rain fell on 2 days.

Snow fell on 15 days.

Rain and Snow on 1 day.

Shakt aurora on the 14th inst.

Depth of snow on ground at end of month 30 inches.