

ABSTRACT FOR THE MONTH OF JANUARY, 1903

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

DAY	THERMOMETER.				* BAROMETER.				Mean relative humidity.	WIND. ^H		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	30.4	36.0	20.4	15.6	29.07	30.14	29.98	.16	89	S.W.	20.8	84	....	....	....	1
2	29.6	34.1	25.9	8.2	30.16	30.24	29.99	.25	88	S.W.	8.6	20	....	....	....	2
3	32.8	34.8	27.4	7.4	29.54	29.99	29.58	.61	93	N.E.	5.4	00	9.24	4.3	0.67	3
SUNDAY.....																
4	30.3	34.6	25.2	9.4	29.64	29.73	29.44	.29	89	S.W.	10.7	13	0.01	....	0.01	4.....SUNDAY
5	20.3	28.0	14.4	13.6	29.76	29.52	29.66	.16	90	S.W.	9.0	13	....	0.0	2.83	5
6	12.6	16.6	6.8	9.8	29.69	29.81	29.60	.21	85	S.W.	6.7	69	....	0.1	0.01	6
7	4.7	11.7	0.0	11.7	29.51	29.61	29.32	.29	85	N.	10.0	13	....	2.0	0.21	7
8	5.8	11.0	0.2	10.8	29.36	29.2	29.26	.26	88	W.	15.0	15	....	1.0	0.12	8
9	5.5	9.0	-11.4	13.4	29.56	29.63	29.42	.26	81	W.	11.5	33	....	0.5	0.07	9
10	-0.1	9.8	-11.8	21.6	29.88	30.03	29.68	.35	81	W.	8.3	17	....	0.1	0.01	10
SUNDAY.....																
11	14.7	20.5	6.1	14.4	29.76	30.07	29.18	.89	91	W.	5.4	00	....	6.7	0.47	11.....SUNDAY
12	14.3	23.6	6.0	17.6	29.49	29.80	29.11	.69	79	N.W.	24.5	45	....	2.0	0.16	12
13	2.3	14.2	-3.9	18.1	30.43	30.19	29.80	.63	90	N.W.	16.0	68	....	....	....	13
14	6.7	11.8	-0.9	12.7	30.12	30.21	29.91	.30	65	W.	11.5	70	....	....	....	14
15	23.1	27.9	9.9	18.0	29.69	29.93	29.60	.33	89	W.	13.2	90	....	1.3	0.08	15
16	24.8	32.4	14.6	17.8	29.80	29.88	29.70	.18	90	W.	13.2	28	....	0.0	0.00	16
17	28.7	33.9	21.9	22.0	29.47	29.70	29.34	.36	66	W.	14.4	01	....	0.8	0.09	17
SUNDAY.....																
18	-2.1	22.4	-11.4	33.8	29.94	30.28	29.57	.71	64	N.W.	19.0	86	....	0.0	0.00	18.....SUNDAY
19	-10.2	4.0	-20.0	16.0	30.52	30.57	30.28	.29	54	S.W.	8.7	56	....	....	....	19
20	2.4	16.8	-10.1	26.9	30.17	30.56	30.23	.33	79	S.E.	0.4	54	....	....	....	20
21	21.6	29.8	4.1	25.7	29.83	30.23	29.60	.63	92	N.E.	9.4	00	....	13.4	1.60	21
22	15.0	28.1	10.0	18.1	29.87	29.95	29.74	.21	80	W.	6.1	48	....	0.0	0.00	22
23	11.2	23.6	0.2	23.4	30.10	30.44	29.84	.60	75	N.W.	16.2	82	....	0.5	0.04	23
24	-4.5	3.4	-10.9	14.3	30.53	30.59	30.44	.15	67	N.E.	3.2	34	....	....	....	24
SUNDAY.....																
25	-3.2	3.1	-13.4	16.5	30.40	30.45	30.36	.09	68	N.	10.6	60	....	0.0	0.00	25.....SUNDAY
26	6.9	11.0	1.0	10.0	30.41	30.46	30.33	.13	86	N.E.	7.5	60	....	0.0	0.00	26
27	26.2	31.5	7.8	23.7	30.16	30.33	30.12	.21	94	S.	3.0	60	0.00	....	0.01	27
28	31.6	33.8	29.1	4.7	29.94	30.12	29.89	.23	90	E.	1.1	60	0.00	....	0.00	28
29	34.2	38.2	29.0	8.3	29.80	30.03	29.42	.61	98	S.E.	3.3	0	0.21	....	0.21	29
30	30.8	35.6	13.0	22.8	29.76	29.42	29.17	.58	83	S.W.	17.1	14	0.18	0.3	0.21	30
31	18.0	21.8	10.4	11.4	29.72	29.91	29.41	.55	73	N.W.	...	73	....	0.2	0.02	31
Means.....	14.61	22.00	5.84	16.16	29.797	30.055	29.703	.352	81.3	N 77° W.	10.33	27.3	0.64	11.5	4.03	..... Sum.
29 Years mean for and including this month.....	12.77	20.77	4.52	16.26	30.046	.....	.....	.334	81.5	.....	16.23	34.47	0.547	10.0	3.715	..... 28 Years means for and including this month.

ANALYSIS OF WIND RECORD.^H

Direction.....	N	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	CALM.
Miles.....	552	501	190	40	103	1708	2216	2059	
Duration in hrs..	59	50	41	12	21	128	217	122	60
Mean velocity....	9.4	10.0	4.6	3.3	3.3	13.3	10.5	16.9	

Greatest mileage in one hour was 35 on the 12th.

Greatest velocity in gusts was 44 on the 20th.

^H The wind records are from the instruments on the tower of the City Hall, Montreal. Mean for 30 days only.

Resultant mileage, 4,494.

Resultant direction, N 77° W.

Total mileage, 7,437.

* 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.

§ 22 years only. ¶ 16 years only.

The greatest heat was 58.6 above zero on the 30th. The greatest cold was 20.0 below zero on the 19th, giving a range of temperature of 58.6°.

Warmest day was the 29th. Coldest day was the 19th.

Highest barometer reading was 30.59 on the 24th; lowest barometer was 29.11 on the 12th, giving a range of 1.48 inches.

Minimum relative humidity observed was 50 on the 12th.

Rain fell on 6 days. Snow fell on 24 days.

Rain and snow on 2 days.

Fog on 4 days.

No. of clear snow on ground 15.