

ABSTRACT FOR THE MONTH OF JANUARY, 1891.

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 CLOUDS 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	10.43	34.0	-6.9	40.9	29.9117	30.197	29.547	.650	.0642	78.6	5.2	S.W.	13.1	10.0	10	10	00	0.04	Inapp.	0.04	1
2	31.37	38.5	18.5	20.0	29.4538	29.725	29.315	.410	.1638	87.0	27.8	N.	16.9	10.0	10	10	00	0.29	Inapp.	0.29	2
3	6.48	19.1	2.0	17.1	30.1722	30.329	29.910	.389	.0410	71.2	-1.0	.....	.....	0.0	0	0	96	.....	.....	.....	3
SUNDAY.....	.....	8.0	-4.0	12.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
4	11.58	15.9	6.0	9.9	30.1500	30.217	30.116	.101	.0607	81.8	7.2	.....	.....	9.0	10	7	60	.....	.....	.....	5
5	16.37	20.2	12.8	7.4	30.0942	30.154	30.054	.100	.0785	85.7	12.8	N.E.	14.7	10.0	10	10	00	.....	.....	.....	6
6	20.27	25.4	15.6	9.8	30.1980	30.329	30.110	.219	.0752	69.0	12.0	N.W.	13.6	3.7	10	0	78	.....	2.7	0.12	7
7	14.18	21.2	9.2	12.0	30.5073	30.578	30.418	.160	.0602	72.7	7.2	N.W.	12.7	0.0	0	0	93	.....	.....	.....	8
8	14.27	20.0	3.7	16.3	30.4152	30.572	30.253	.319	.0713	84.3	10.5	S.W.	16.7	6.7	10	0	00	.....	.....	.....	9
9	21.20	24.9	16.8	8.1	30.1880	30.272	30.128	.144	.1013	89.7	18.5	S.W.	14.9	10.0	10	10	04	.....	Inapp.	0.00	10
SUNDAY.....	.....	24.1	14.0	10.1	.....	.....	.....	.....	.....	.....	.....	N.E.	13.8	.....	.....	.....	00	.....	8.0	0.20	11
11	22.72	30.1	10.6	19.5	29.1155	29.462	28.874	.588	.1102	84.7	18.8	S.W.	14.7	8.3	10	0	00	0.09	0.2	0.11	12
12	-1.85	11.3	-8.3	19.6	29.7587	29.885	29.566	.319	.0313	75.3	-8.0	S.W.	15.5	2.0	10	0	97	.....	.....	.....	13
13	-2.78	3.7	-10.5	14.2	29.7828	30.009	29.631	.358	.0345	90.7	-5.2	N.E.	17.9	8.5	10	0	05	.....	2.7	0.20	14
14	4.50	17.0	-4.7	21.7	30.2520	30.354	30.124	.230	.0465	84.0	0.5	S.W.	19.6	6.7	10	0	00	.....	2.4	0.21	15
15	-6.68	10.5	-11.9	22.4	30.6578	30.719	30.525	.194	.0242	75.8	-12.8	N.E.	12.4	0.2	1	0	82	.....	0.2	0.02	16
16	-1.18	13.8	-15.0	28.8	30.3942	30.591	30.208	.383	.0372	83.3	-5.3	N.E.	14.3	6.0	10	0	31	.....	Inapp.	0.00	17
SUNDAY.....	.....	20.7	13.4	7.3	.....	.....	.....	.....	.....	.....	.....	N.	27.3	.....	.....	.....	00	.....	Inapp.	0.00	18
18	13.82	16.3	11.9	4.4	30.2300	30.286	30.162	.124	.0682	84.2	10.0	N.	14.3	7.7	10	3	50	.....	Inapp.	0.00	19
19	14.12	16.7	10.9	5.8	30.0902	30.193	30.032	.163	.0673	81.8	9.8	N.E.	8.5	8.5	10	1	54	.....	Inapp.	0.00	20
20	19.15	22.2	15.8	6.4	29.9555	30.029	29.911	.118	.0973	93.5	17.7	E.	9.8	10.0	10	10	00	.....	1.4	0.11	21
21	30.22	35.4	21.7	13.7	29.5047	29.916	29.177	.739	.1615	95.5	28.8	N.E.	15.5	10.0	10	10	00	0.81	0.2	0.92	22
22	30.87	34.9	27.0	7.9	29.7532	29.999	29.456	.543	.1288	77.3	23.7	S.W.	32.6	7.8	10	4	16	Inapp.	0.00	0.23	23
23	32.13	35.1	29.7	5.4	30.0220	30.052	29.993	.059	.1520	83.5	27.8	S.W.	16.3	10.0	10	10	00	.....	0.5	0.03	24
SUNDAY.....	.....	32.0	22.8	9.2	.....	.....	.....	.....	.....	.....	.....	W.	11.0	.....	.....	.....	16	.....	Inapp.	0.00	25
25	6.93	26.5	3.0	23.5	30.0947	30.133	30.017	.116	.0398	63.0	-3.3	N.E.	18.5	8.8	10	1	43	.....	0.2	0.02	26
26	6.73	11.5	1.0	10.5	30.1460	30.165	30.119	.046	.0485	81.5	2.0	N.E.	14.4	10.0	10	10	00	.....	0.2	0.02	27
27	16.88	23.0	10.7	12.3	30.2748	30.310	30.222	.088	.0777	83.0	12.5	S.W.	7.6	9.8	10	9	33	.....	Inapp.	0.00	28
28	22.62	30.1	15.5	14.6	29.9778	30.293	29.537	.756	.1137	92.3	20.5	N.E.	9.0	10.0	10	10	15	.....	1.0	0.29	29
29	32.90	37.0	28.7	8.3	29.6987	30.057	29.446	.591	.1537	81.2	27.7	W.	27.6	9.3	10	6	28	0.06	0.06	0.06	30
30	27.87	32.1	20.8	11.3	30.0253	30.149	29.772	.377	.1212	79.3	22.5	S.W.	14.5	9.0	10	4	36	.....	1.3	0.06	31
..... Means	15.38	22.94	9.06	13.88	30.0308	.....	.....	.307	.0826	81.8	10.7	.....	.....	7.48	.....	.....	29.0	1.29	21.0	3.30	Sums
17 yrs. means for & including this mo.	12.00	20.57	3.85	16.70	30.0639	.....	.....	.341	.0730	80.7	.....	.....	.....	6.42	.....	.....	33.0	0.87	29.8	3.66	17 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	1912	2440	338	462	288	3091	950	1018	.....
Duration in hrs ..	114	177	35	34	22	162	51	72	5
Mean velocity....	16.3	13.8	9.7	13.6	13.1	19.1	18.5	14.1	.....

Greatest mileage in one hour was 53 on the 23rd.
Greatest velocity in gusts, 66 miles per hour on the 23rd.
Resultant mileage for 28 days, 2140.

Resultant direction for 28 days, N. 43° W.
Total mileage for 28 days, 10,499—equal 11,624 for whole month.
Average mileage, 15.62.

* Barometer readings reduced to sea-level and temperature of 32° Far.

§ Observed.

† Pressure of vapour in inches of mercury.

‡ Humidity relative, saturation being 100.

¶ Ten years only.

The greatest heat was 38.5 on the 2nd; the greatest cold was 15.0 below zero on the 17th, giving a range of temperature of 53.5 degrees. Warmest day was the 24th. Coldest day was the 16th. Highest barometer reading was 30.719 on the 16th; lowest barometer was 28.874 on the 12th,

giving a range of 1.845 inches. Maximum relative humidity was 100 on 7 days. Minimum relative humidity was 52 on the 26th.

Rain fell on 6 days.
Snow fell on 23 days.
Rain or snow fell on 24 days.
Rain and snow fell on 5 days.
Hoar frost on 1 day.
Lunar halo 1 night.
Fog on 3 days.

NOTE.—Figures and letters, under wind, in bold face type, are from the City Hall record, the mileage of which has been multiplied by 1.25 in order to reduce it to the mountain anemometer.