

ABSTRACT FOR THE MONTH OF JANUARY, 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 CLOUDY IN TENTHS.			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.					Percent of possible sunshine.
1	31.70	38.7	16.3	22.4	30.4448	30.679	30.209	.470	.1563	84.8	27.8	S.	21.8	8.3	10	0	00	0.28	....	0.28	1
2	42.82	52.3	36.4	15.9	30.0345	30.207	29.893	.314	.2477	88.5	39.7	S.W.	32.3	6.8	10	0	00	0.17	....	0.17	2
3	22.42	37.0	14.5	22.5	30.5830	30.695	30.394	.301	.0792	63.2	12.3	N.W.	20.0	0.3	6	0	93	....	....	....	3
4	14.48	18.8	8.9	9.9	30.5453	30.679	30.343	.336	.0617	71.3	6.8	W.	10.5	8.3	10	0	00	....	0.2	0.02	4
SUNDAY.....	5	.....	22.0	17.6	4.4	.....	.....	.....	.....	.....	.....	N.E.	13.1	.....	.....	00	.....	6.6	0.77	5	
6	26.22	35.0	19.6	15.4	29.6543	29.828	29.446	.382	.1303	91.3	24.0	E.	9.9	9.8	10	9	00	0.41	Inapp.	0.41	6
7	12.98	29.0	8.0	21.0	30.0228	30.091	29.931	.160	.0608	78.0	7.3	W.	12.4	3.5	10	0	87	.....	.....	0.00	7
8	20.90	29.2	13.9	15.3	29.5015	29.833	29.226	.607	.1023	89.0	18.2	S.W.	17.0	8.5	10	1	00	.....	2.3	0.11	8
9	7.57	14.6	13.3	27.9	29.9925	30.138	29.804	.334	.0237	78.2	12.8	W.	22.3	2.3	10	0	95	.....	.....	.....	9
10	15.73	11.0	21.6	10.6	30.2417	30.411	30.161	.250	.0205	96.7	16.0	N.E.	26.3	5.3	10	0	12	Inapp.	0.00	0.00	10
11	5.03	7.0	14.5	21.5	30.2015	30.469	29.922	.547	.0345	96.5	5.7	N.	24.3	8.3	10	0	00	.....	6.4	0.82	11
SUNDAY.....	12	.....	10.5	6.5	4.0	.....	.....	.....	.....	.....	.....	N.E.	14.5	.....	.....	00	.....	0.2	0.02	12	
13	30.77	50.8	9.0	41.8	29.5617	30.127	29.201	.926	.1413	74.7	23.3	S.W.	40.5	5.5	10	0	11	0.55	.....	0.55	13
14	13.98	19.6	7.0	12.6	30.5822	30.678	30.372	.306	.0538	65.3	4.5	S.W.?	19.4	2.8	10	0	100	.....	.....	0.00	14
15	20.70	22.5	18.2	4.3	30.1458	30.438	29.908	.530	.1037	93.2	19.0	N.	6.1	10.0	10	0	00	0.04	2.5	0.25	15
16	16.15	24.9	1.5	26.4	29.9030	30.286	29.699	.587	.0907	88.8	13.3	N.W.	20.5	7.8	10	0	00	.....	6.7	0.39	16
17	1.12	8.1	11.5	14.6	30.5000	30.553	30.435	.118	.0328	76.7	6.8	W.	17.6	5.0	10	0	81	.....	0.3	0.01	17
18	4.13	8.9	1.1	10.0	30.4675	30.490	30.439	.051	.0442	85.0	0.5	N.	6.5	6.3	10	0	64	.....	0.3	0.02	18
SUNDAY.....	19	.....	14.1	4.9	19.0	.....	.....	.....	.....	.....	.....	N.	11.8	.....	.....	00	.....	.....	.....	.....	19
20	25.30	38.0	13.8	24.2	29.6297	30.010	29.356	.654	.1150	84.8	21.2	N.	33.0	9.8	10	9	00	0.18	1.0	0.28	20
21	15.23	24.3	9.4	14.9	29.8850	29.962	29.750	.212	.0670	76.8	9.3	W.	25.9	5.3	10	0	37	.....	2.0	0.07	21
22	5.80	16.0	1.0	15.0	30.3747	30.628	29.954	.674	.0365	64.8	4.2	N.W.	24.9	1.3	9	0	87	Inapp.	0.00	0.00	22
23	2.30	6.8	2.0	8.8	30.3090	30.620	30.012	.608	.0380	79.5	3.0	N.W.	11.3	8.3	10	0	00	.....	1.5	0.09	23
24	7.30	11.1	1.0	10.1	30.2268	30.324	30.069	.255	.0457	75.5	1.0	W.	16.4	1.7	10	0	91	Inapp.	0.00	0.00	24
25	22.87	33.0	5.0	28.0	29.7867	30.165	29.605	.560	.1060	81.7	18.0	S.	23.9	8.3	10	0	00	.....	1.0	0.10	25
SUNDAY.....	26	.....	33.0	23.8	9.2	.....	.....	.....	.....	.....	.....	S.W.	15.9	.....	.....	00	.....	.....	.....	.....	26
27	14.22	24.0	8.7	15.3	30.1415	30.411	29.904	.507	.0582	69.0	6.0	N.E.	17.6	6.8	10	0	54	.....	0.1	0.01	27
28	3.65	11.9	4.4	16.3	30.5852	30.717	30.389	.328	.0348	66.2	5.5	S.W.	17.4	6.7	10	0	43	.....	0.1	0.01	28
29	31.30	38.0	11.5	26.5	30.0913	30.215	29.956	.259	.1272	73.0	23.5	S.W.	27.0	9.8	10	6	42	.....	.....	0.00	29
30	13.43	29.9	9.9	20.0	30.3157	30.388	30.257	.131	.0602	74.3	6.8	N.E.	21.8	10.0	10	0	00	.....	.....	0.00	30
31	32.02	38.5	13.9	24.6	30.0323	30.286	29.885	.401	.1523	81.0	26.8	S.E.	24.8	7.5	10	0	07	0.01	0.1	0.02	31
..... Means	14.86	23.76	6.42	17.34	30.1399	.....	.....	.400	.0824	79.6	9.5	.....	.....	6.46	.....	.....	33.8	1.64	31.3	4.40	Sums
16 yrs. means for & including this mo.	11.79	20.42	3.53	16.88	30.0659	.....	.....	.343	.0724	80.7	.....	.....	.....	6.35	.....	.....	33.5	0.84	30.3	3.68	16 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.....	2473	1698	288	313	1757	2679	3144	2205	—
Duration in hrs..	170	89	26	13	78	119	149	93	1
Mean velocity ...	14.5	19.1	11.1	24.1	22.5	22.5	21.1	23.7	—

Greatest mileage in one hour was 67 on the 13th.
Greatest velocity in gusts 104 miles per hour on the 13th.
Resultant mileage, 5,070
Resultant direction, N. 75° W.

Total mileage, 14,557.

NOTE.—The wind directions and velocities in heavy faced type are from the City Hall record. The mileage has been multiplied by 1.5 to reduce it to the Mountain Anemometer.

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

† Observed.

† Pressure of vapour in inches of mercury.

† Humidity relative, saturation being 100.

† Nine years only.

The greatest heat was 52.3 on the 2nd; the greatest cold was 21.6 below zero on the 10th, giving a range of temperature of 73.9 degrees. Warmest day was the 2nd. Coldest day was the 10th. Highest barometer reading was 30.717 on the 28th; lowest

barometer was 29.201 on the 13th, giving a range of 1.516 inches. Maximum relative humidity was 100 on 7 days. Minimum relative humidity was 44 on the 28th.

Rain fell on 7 days.

Snow fell on 21 days.

Rain or snow fell on 24 days.

Rain and snow fell on 4 days.

Hoar frost on 2 days.

Lunar halo on one night.

Fog on 3 days.