

ABSTRACT FOR THE MONTH OF FEBRUARY, 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 CLOUDED 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 perhour	Mean.	Max.	Min.					For each of possible sun-shine.
1	15.93	36.2	7.6	28.6	20.4885	30.676	30.087	.589	.0598	60.2	4.2	S.W.	21.9	0.7	2	0	96			1	
SUNDAY..... 2	..	32.0	-6.0	38.0	..	..	..	..	..	..	..	S.E.	17.0	..	..	..	46			2	
3	33.08	39.0	23.0	16.0	29.9530	30.220	29.831	.389	.1785	88.3	31.0	S.W.	28.3	8.3	10	0	00	0.12	..	3	
4	16.43	34.5	8.8	25.7	29.9848	30.345	29.315	1.030	.0775	75.3	10.0	N.E.	14.8	6.7	10	0	33	0.28	0.3	4	
5	27.95	45.0	10.0	35.0	29.5477	30.081	29.002	.989	.1377	75.5	21.3	W.	36.8	4.8	10	0	53	0.21	..	5	
6	5.03	11.0	0.0	11.0	30.3887	30.567	30.205	.362	.0358	66.3	-4.3	W.	10.7	0.0	0	0	100	..	..	6	
7	10.62	19.8	1.5	18.3	30.5900	30.683	30.142	.541	.0572	78.2	4.8	E.	9.1	6.7	10	0	57	..	1.7	7	
8	25.23	30.0	18.7	11.3	29.7170	29.854	29.599	.255	.1237	90.5	23.0	S.	16.3	9.8	10	3	00	..	9.5	8	
SUNDAY..... 9	..	24.5	0.0	24.5	..	..	..	..	..	..	..	W.	13.0	..	..	..	99			9	
10	-2.03	2.3	-7.0	9.3	30.6583	30.702	30.603	.099	.0305	78.2	-7.5	N.E.	10.5	1.8	10	0	91		..	10	
11	3.18	10.4	-6.4	16.8	30.4357	30.614	30.136	.478	.0412	82.0	-1.7	E.	5.3	4.7	10	0	80		..	11	
12	24.87	30.1	6.9	23.2	29.8862	30.011	29.747	.264	.1113	81.2	19.5	S.W.	27.6	7.0	10	0	51	..	2.0	12	
13	32.80	36.9	25.8	11.1	29.9638	30.045	29.896	.149	.1247	67.7	23.2	S.W.	27.8	6.8	10	0	50	..	..	13	
14	34.75	39.9	26.8	13.1	29.6350	29.883	29.207	.676	.1695	82.3	29.5	S.	14.7	8.3	10	0	00	1.08	..	14	
15	19.55	39.2	5.5	33.7	29.8002	30.180	29.277	.903	.0873	68.7	11.2	W.	35.6	2.8	10	0	76	0.20	..	15	
SUNDAY..... 16	..	13.2	-2.0	15.2	..	..	..	..	..	..	..	S.W.	19.9	..	..	..	71	..	1.6	16	
17	6.82	14.2	2.7	11.5	30.2070	30.332	30.051	.281	.0452	76.2	0.7	N.E.	19.4	7.0	10	0	41	..	1.0	17	
18	8.02	11.0	7.0	4.0	29.8520	29.932	29.750	.182	.0587	91.0	6.7	N.E.	29.8	10.0	10	0	00	..	4.3	18	
19	10.02	12.8	7.0	5.8	30.1517	30.284	29.922	.362	.0520	76.3	3.8	N.W.	7.3	3.7	10	0	90	..	0.3	19	
20	13.13	26.7	-0.5	27.2	29.5957	29.835	29.299	.536	.0733	85.8	9.7	W.	27.8	8.0	10	0	00	..	5.3	20	
21	-3.12	3.0	-9.1	12.1	29.9742	30.017	29.913	.104	.0272	73.0	-10.2	W.	33.1	3.5	10	0	61	..	..	21	
22	0.80	6.8	-8.0	14.8	30.0602	30.123	29.976	.146	.0300	66.8	-8.5	S.W.	21.7	1.7	10	0	100	..	Inapp.	22	
SUNDAY..... 23	..	27.6	3.0	24.6	..	..	..	..	..	..	..	S.	11.5	..	..	..	47	..	1.0	23	
24	33.15	40.2	13.9	26.3	29.8807	29.944	29.799	.145	.1655	86.3	29.5	S.	12.4	10.0	10	0	14	Inapp.	0.4	24	
25	34.52	38.0	33.2	4.8	29.9000	29.985	29.793	.192	.1960	98.0	33.8	E.	10.4	10.0	10	0	00	0.11	..	25	
26	34.93	37.0	32.7	4.3	29.8643	30.139	29.715	.424	.1568	96.8	34.0	S.W.	7.5	10.0	10	0	00	0.06	..	26	
27	33.48	35.0	31.3	3.7	30.1620	30.226	30.096	.130	.1798	93.8	32.2	E.	8.3	10.0	10	0	00	0.01	..	27	
28	37.20	39.0	34.2	4.8	29.8195	30.044	29.672	.372	.2005	90.3	34.5	S.E.	23.1	10.0	10	0	00	0.78	..	28	
..... Means.	19.08	26.26	9.31	16.95	30.0184			.400	.1025	80.4	13.8			6.35	..	..	44.9	2.85	27.4	4.45	Sums
16 yrs. means for & including this mo.	15.48	23.95	6.79	17.16	30.0414			.323	.0821	78.6	..			5.84	..	..	44.7	0.90	22.6	3.07	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.....	453	1492	823	1192	322	3217	3734	288	—
Duration in hrs..	22	92	69	74	78	146	144	20	27
Mean velocity ...	20.6	16.2	11.9	16.1	17.0	22.0	25.9	14.4	

Greatest mileage in one hour was 60 on the 5th.
Greatest velocity in gusts 72 miles per hour for 12 miles on the 5th.
Resultant mileage, 4,485

Resultant direction, S. 52° W.
Total mileage, 12,521.
Average mileage per hour 18.63.

*Barometer readings reduced to sea-level and on 5 days. Minimum relative humidity was 42 on temperature of 32° Fahr. the 1st.

‡ Observed.

† Pressure of vapour in inches of mercury.

‡ Humidity relative, saturation being 100.

† Nine years only.

The greatest heat was 45.0 on the 5th; the greatest cold was 9.1 below zero on the 21st, giving a range of temperature of 54.1 degrees. Warmest day was the 28th. Coldest day was the 21st. Highest barometer reading was 30.702 on the 10th; lowest barometer was 29.992 on the 5th, giving a range of 1.610 inches. Maximum relative humidity was 100 on 5 days. Minimum relative humidity was 42 on the 1st.
Rain fell on 10 days.
Snow fell on 12 days.
Rain or snow fell on 20 days.
Rain and snow fell on 2 days.
Hoar frost on 2 days.
Fogs on 7 days.
Parhellic arcs on the 11th.
The rainfall of this month (2.85 inches) is the greatest for February in 16 years, the next highest being 2.18 in 1881.