

ABSTRACT FOR THE MONTH OF FEBRUARY, 1889.

Meteorological Observations, McGill College Observatory, Montreal, Canada, Height above sea level, 187 feet.

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DAY.	THERMOMETER.				BAROMETER.				Mean pressure of vapour.	Mean relative humidity.	Dew point.	WIND.		SKY CLOUDED IN TENTHS.			Percent 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	9.35	30.5	-1.1	31.6	29.8675	29.995	29.618	.377	.0598	79.2	4.0	W.	32.5	4.5	10	0	82	....	....	....	1
	2	6.45	16.9	-4.6	21.5	29.7192	29.964	29.561	.403	.0498	82.5	2.2	N.W.	19.8	5.5	10	0	33	....	0.4	0.02	2
SUNDAY.	3	.....	.....	-10.4	21.9	.....	.....	.....	.....	.....	.....	.....	N.	10.8	.....	10	0	63	....	0.1	0.01	3
	4	-9.33	11.5	-22.6	23.0	29.9747	30.057	29.877	.180	.0250	89.2	-12.0	N.W.	10.7	8.2	10	4	27	....	.....	.....	4
	5	13.40	22.1	0.4	21.7	29.5753	29.763	29.439	.329	.0757	89.7	10.7	N.E.	17.7	10.0	10	10	00	....	11.2	1.06	5
	6	-0.12	23.0	-8.0	31.0	29.5065	29.539	29.488	.051	.0418	86.2	-3.7	S.W.	45.1	9.7	10	0	00	....	4.8	0.48	6
	7	-0.78	4.4	-7.9	12.3	29.7347	29.963	29.570	.393	.0327	79.0	-6.5	W.	33.3	6.7	10	0	00	....	1.3	0.13	7
	8	11.55	19.1	2.0	17.1	29.9952	30.037	29.948	.089	.0642	83.5	6.7	S.W.	14.0	6.8	10	0	19	....	1.2	0.12	8
	9	16.03	19.9	8.4	11.5	9437	29.982	29.893	.089	.0822	91.0	14.0	N.	7.7	10.0	10	10	00	....	0.6	0.05	9
SUNDAY.	10	.....	.....	.....	6.9	.....	.....	.....	.....	.....	.....	.....	S.W.	10.3	.....	.....	.....	86	....	0.2	0.02	10
	11	21.65	20.5	13.0	13.5	29.8540	29.993	29.719	.274	.0957	81.2	16.7	S.E.	14.0	8.3	10	3	51	....	0.1	0.01	11
	12	18.87	25.5	9.0	16.5	29.6580	29.683	29.613	.070	.0822	76.8	13.0	S.W.	13.6	8.5	10	5	28	....	5.0	0.40	12
	13	4.53	10.0	2.0	8.0	29.5505	29.601	29.507	.094	.0450	84.5	0.8	S.W.	34.5	9.2	10	1	00	....	1.6	0.16	13
	14	9.03	16.6	2.0	14.6	29.8760	30.117	29.666	.451	.0497	75.3	2.7	W.	30.2	8.0	10	0	45	....	.....	.....	14
	15	11.45	17.3	4.7	12.6	30.3523	30.424	30.227	.197	.0550	75.7	4.8	S.W.	13.5	0.0	0	0	100	....	.....	.....	15
	16	15.38	33.6	2.2	31.4	30.1633	30.422	29.810	.612	.0817	83.5	11.3	S.E.	14.8	5.3	10	0	53	0.12	.....	0.12	16
SUNDAY.	17	.....	.....	.....	6.8	.....	.....	.....	.....	.....	.....	.....	S.W.	22.1?	.....	.....	.....	00	0.18	.....	0.18	17
	18	23.77	33.7	20.7	13.0	29.6227	29.903	29.222	.683	.1070	83.8	19.5	N.E.	20.1	10.0	10	10	00	....	3.3	0.33	18
	19	15.40	26.0	11.6	16.4	29.6877	30.033	29.261	.772	.0715	81.3	10.8	W.	30.9	6.7	10	1	55	....	0.6	0.06	19
	20	10.23	16.5(?)	3.5	13.0	30.3162	30.426	30.172	.254	.0517	74.0	3.5	W.	19.5	0.5	1	0	79	....	Inapp.	0.00	20
	21	15.63	23.0	7.0	16.0	30.4488	30.556	30.229	.327	.0643	71.5	8.3	W.	19.1	4.8	10	0	75	....	.....	.....	21
	22	15.75	34.0	-7.4	41.4	30.0848	30.329	29.903	.426	.0792	76.3	9.7	S.W.	24.9	8.7	10	2	00	....	1.4	0.14	22
	23	-10.73	-6.8	-16.9	10.1	30.4585	30.614	30.399	.215	.0202	78.5	-16.0	W.	21.9	1.7	9	0	93	....	.....	.....	23
SUNDAY.	24	.....	.....	.....	10.6	.....	.....	.....	.....	.....	.....	.....	S.W.	17.1	.....	.....	.....	98	....	.....	.....	24
	25	6.57	11.0	0.8	10.2	30.7022	30.807	30.605	.202	.0385	67.2	-2.8	S.W.	11.7	2.7	10	0	87	....	.....	.....	25
	26	5.60	13.1	-7.0	20.1	30.7842	30.885	30.663	.222	.0422	75.0	-1.0	E.	8.2	4.8	10	0	83	....	.....	.....	26
	27	16.73	24.1	5.9	18.2	30.5728	30.636	30.525	.111	.0882	91.0	14.5	E.	7.7	10.0	10	10	00	....	0.4	0.04	27
	28	27.68	33.7	23.3	10.4	30.4378	30.581	30.525	.056	.1283	85.3	23.7	.....	4.5	3.8	10	0	65	....	.....	.....	28
.....	Means	10.59	19.70	2.19	17.5†	30.0410	.....	.....	.287	.0638	80.9	5.62	.....	.....	6.45	.....	.....	43.6	0.30	32.2	3.33	Sums
15 yrs. means for & including this mo.		15.24	23.79	6.62	17.17	30.0430	.....	.....	.318	.0807	78.4	.....	.....	.....	5.81	.....	.....	41.3	0.76	22.3	2.98	15 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..	360	1046	200	725	975	4679	3551	1190	
Duration in hrs..	40	71	24	53	63	216	158	43	4
Mean velocity ...	9.0	14.7	8.3	13.7	15.5	21.7	22.5	27.7	

Greatest mileage in one hour was 56 on the 6th.
 Greatest velocity in gusts 56 miles per hour on the 6th.
 Resultant mileage, 6,875.

Resultant direction, S 65° W.
 Total mileage, 12,726.
 *Barometer readings reduced to sea-level and temperature of 32° Fahr.

§ Observed.

† Pressure of vapour in inches of mercury.

‡ Humidity relative, saturation being 100.

¶ Eight years only.

The greatest heat was 39.5 on the 17th; the greatest cold was 22.6 below zero on the 4th, giving a range of temperature of 62.1 degrees. Warmest day was the 17th. Coldest day was the 23rd. Highest barometer reading was 30.885 on the 20th; lowest barometer was 29.222 on the 18th, giving a range of 1.663 inches. Maximum relative humidity was 100 on the two days. Minimum relative humidity was 51 on the 3rd.

Rain fell on 2 days.

Snow fell on 16 days.

Rain or snow fell on 18 days.

Auroras were observed on two nights.

Hoar frost on two days.

Lunar halo on two nights.

Lunar corona on one night.

Fog on four days.

Solar halo on one day.

Small portion of a contact arc. was visible on the 21st.