

ABSTRACT FOR THE MONTH OF DECEMBER, 1889.

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 TESTES.			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.				
SUNDAY.....	1	.....	35.9	17.7	18.2	.....	.....	.....	.....	.....	.....	W.	28.8	.....	.....	.....	35	.....	.....	1
	2	34.72	38.2	22.0	16.2	29.9258	29.990	29.895	.095	.1598	79.0	W.	25.7	10.0	10	10	.....	0.1	0.01	2
	3	8.63	22.0	-1.0	23.0	30.2937	30.507	30.064	.443	.0472	67.2	N.	17.8	3.7	10	0	78	0.2	0.02	3
	4	-1.48	4.1	-7.3	11.2	30.5160	30.614	30.407	.207	.0315	78.0	N.E.	6.3	4.8	10	0	78	.....	.....	4
	5	12.52	22.4	0.8	21.6	30.0587	30.354	29.825	.529	.0742	92.3	S.E.	8.4	8.3	10	0	80	1.0	0.07	5
	6	23.20	28.9	15.3	13.1	29.9488	30.052	29.829	.223	.1010	78.0	W.	17.4	8.0	10	0	32	1.2	0.07	6
	7	30.70	36.9	16.7	20.2	29.8622	29.994	29.770	.224	.1350	77.0	W.	15.3	10.0	10	10	80	.....	.....	7
SUNDAY.....	8	.....	41.1	25.9	15.2	.....	.....	.....	.....	.....	.....	E.	14.8	.....	.....	.....	8	0.41	0.41	8
	9	41.40	45.7	34.5	11.2	29.9905	30.224	29.774	.450	.2053	78.2	W.	26.3	8.0	10	1	80	0.41	.....	9
	10	30.38	35.0	28.0	7.0	30.3443	30.466	30.130	.336	.1238	73.3	W.	12.7	6.5	10	0	78	0.02	0.02	10
	11	35.98	42.0	27.8	14.2	29.7423	29.866	29.628	.238	.1762	82.3	S.W.	26.5	10.0	10	10	80	0.55	Inapp.	11
	12	24.43	31.8	20.0	11.8	30.1057	30.197	29.964	.233	.1012	76.8	W.	20.9	1.3	10	0	53	.....	.....	12
	13	19.42	25.6	10.7	14.9	30.0098	30.349	29.793	.556	.0855	79.3	W.	13.9	4.0	10	0	24	0.5	0.03	13
	14	4.60	10.7	1.3	9.4	30.3402	30.410	30.279	.131	.0392	72.7	E.	10.6	5.0	10	0	80	0.1	0.01	14
SUNDAY.....	15	.....	21.0	-1.0	22.0	.....	.....	.....	.....	.....	.....	E.	7.1	.....	.....	.....	80	1.4	0.05	15
	16	25.55	29.0	18.6	10.4	30.1852	30.282	30.064	.218	.1127	81.3	S.W.	12.4	8.0	10	0	64	.....	.....	16
	17	29.58	34.5	25.5	9.0	30.2618	30.300	30.206	.094	.1405	85.3	S.	11.3	10.0	10	10	80	0.2	0.02	17
	18	33.35	41.2	24.5	16.7	30.1420	30.258	29.947	.311	.1802	92.8	E.	15.2	10.0	10	10	80	0.12	0.12	18
	19	39.97	42.0	38.6	3.4	29.8507	29.882	29.829	.053	.2220	99.8	W.	20.5	10.0	10	10	80	0.58	0.58	19
	20	35.23	39.5	32.8	6.7	29.7427	29.909	29.500	.409	.1917	93.3	W.	12.5	10.0	10	10	80	0.64	0.64	20
	21	25.78	34.3	17.1	17.2	30.1555	30.361	29.837	.524	.1167	81.7	N. W.	28.6	1.0	3	0	64	0.14	0.14	21
SUNDAY.....	22	.....	36.0	14.9	21.1	.....	.....	.....	.....	.....	.....	N.	20.7	.....	.....	.....	80	0.06	3.2	22
	23	17.47	23.3	13.9	9.4	30.3490	30.444	30.177	.267	.0770	80.3	N.W.	27.6	3.0	10	0	96	.....	.....	23
	24	30.57	35.2	17.7	17.5	30.2290	30.340	29.977	.363	.1500	87.8	N. W.	14.1	10.0	10	10	31	1.7	0.12	24
	25	36.38	41.3	30.7	10.6	29.6667	29.761	29.578	.183	.1782	83.0	W.	29.1	10.0	10	10	64	0.01	.....	25
	26	25.88	35.5	18.6	16.9	30.3003	29.674	29.036	.638	.1158	81.3	N.W.	23.7	9.8	10	9	00	3.4	0.34	26
	27	8.32	18.6	5.5	13.1	29.7833	29.866	29.656	.210	.0455	72.0	S.W.?	28.3	5.7	10	0	71	.....	.....	27
	28	13.58	17.2	10.1	7.1	30.0457	30.231	29.859	.372	.0695	85.8	S.W.	6.2	6.3	10	9	44	0.1	0.01	28
SUNDAY.....	29	.....	42.0	5.0	37.0	.....	.....	.....	.....	.....	.....	N.E.	19.3	.....	.....	.....	80	0.25	0.1	29
	30	19.43	45.7	9.7	36.0	30.2502	30.636	29.684	.952	.0807	68.7	N.W.	30.6	2.3	10	0	93	.....	.....	30
	31	13.02	19.5	4.7	14.8	30.8330	30.889	30.767	.122	.0543	68.0	N.W.	11.2	0.2	1	0	95	.....	.....	31
..... Means.		23.79	31.49	16.13	15.36	30.1133	.....	.....	.322	.1159	80.2	.....	18.19	6.88	.....	.....	30.1	3.19	13.2	4.39
15 yrs. means for & including this mo.		19.03	25.04	11.61	14.33	30.0160	.....	.....	.287	.0990	82.5	.....	.....	7.19	.....	.....	26.7	1.43	23.9	3.81

ANALYSIS OF WIND RECORD.

Direction.....	N.	N.E.	E.	S.E.	S.	S.W.	W.	N. W.	Calm.
Miles.....	814	399	1477	567	1033	2216	4271	2757	
Duration in hrs..	56	33	128	37	56	96	224	108	6
Mean velocity...	14.5	12.1	11.5	15.3	18.4	23.1	19.1	25.5	

Greatest mileage in one hour was 70 on the 30th.
Greatest velocity in gusts 150 miles per hour for five miles on the 30th. (This is the greatest velocity on our records.)

Resultant mileage, 5,630.
Resultant direction, West.
Total mileage, 13,534.

*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 45.7 on the 9th and 30th; the greatest cold was 7.1 below zero on the 4th, giving a range of temperature of 52.8 degrees. Warmest day was the 9th. Coldest day was the 4th. Highest barometer reading was 30.889 on the 31st; lowest

barometer was 29.026 on the 26th, giving a range of 1.863 inches. Maximum relative humidity was 100 on the 20th. Minimum relative humidity was 56 on the 3rd.

Rain fell on 11 days.

Snow fell on 14 days.

Rain or snow fell on 22 days.

Rain and snow fell on 3 days.

An Aurora was observed on 1 night.

Hear frost on 3 days.

Lunar halo on one night.

Fog on 5 days.