

ABSTRACT FOR THE MONTH OF DECEMBER, 1898.

Meteorological Observations, McGill College Observatory, Montreal, Canada. Height above sea level, 187 feet, C. H. McLEOD, Superintendent.

DAY	THERMOMETER.				BAROMETER.				†Mean pressure of vapor.	†Mean relative humidity.	Dew Point.	WIND.		SKY CLOUDY IN TENTHS.			Per cent. 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	30.37	32.9	26.3	6.6	29.6433	29.771	29.514	.257	.1420	83.8	26.2	S. W.	21.04	7.7	10	4	1	...	0.4	0.04	1
2	31.13	34.6	26.7	7.9	29.9885	30.157	29.771	.386	.1512	86.0	27.7	S.	16.87	4.8	10	0	51	...	0.1	0.01	2
3	28.08	32.1	25.0	7.1	30.2570	30.274	30.157	.117	.1400	90.8	25.7	N.	10.04	3.7	10	0	28	...	...	...	3
SUNDAY.....4	.....	31.8	21.7	10.1	.....	.....	.....	.....	.....	.....	.....	N.	13.75	.....	.....	.....	0	.....	1.6	0.18	4.....SUNDAY
5	29.83	32.2	26.4	5.8	29.3093	29.461	29.178	.283	.1545	93.0	28.0	N.	27.71	9.8	10	9	0	.....	6.3	0.71	5
6	23.60	29.6	21.7	7.9	29.7432	29.820	29.334	.426	.1078	84.7	19.8	S. W.	21.87	7.2	10	0	68	.....	1.0	0.10	6
7	26.77	30.6	22.8	7.8	29.7343	29.815	29.659	.156	.1228	83.8	22.7	S. W.	23.46	7.8	10	0	59	.....	1.3	0.13	7
8	19.13	24.1	10.5	13.6	30.0173	30.222	29.815	.407	.0877	81.7	14.5	S. W.	19.54	4.7	10	0	5	.....	1.2	0.16	8
9	15.65	21.1	8.9	12.2	30.1772	30.286	29.977	.309	.0683	77.0	9.8	S. W.	23.25	8.3	10	0	5	.....	0.0	0.00	9
10	25.42	29.5	16.5	13.0	29.5960	29.977	29.364	.613	.1207	87.3	22.3	S. W.	26.33	9.5	10	7	4	.....	0.7	0.07	10
SUNDAY.....11	.....	29.0	3.0	26.0	.....	.....	.....	.....	.....	.....	.....	W.	26.54	.....	.....	.....	1	.....	2.5	0.25	11.....SUNDAY
12	2.17	3.0	-4.8	7.8	29.7698	29.804	29.713	.091	.0327	82.7	-5.8	N.	8.79	3.5	10	0	9	.....	.....	.....	12
13	-6.03	-3.3	-10.1	6.8	30.0523	30.246	29.786	.460	.0285	87.7	-3.8	S. W.	19.25	1.2	7	0	79	.....	.....	.....	13
14	4.98	13.6	-11.9	24.6	30.2142	30.292	30.151	.141	.0468	83.3	1.2	S. W.	18.13	8.3	10	0	39	.....	0.9	0.09	14
15	1.12	10.4	-1.1	11.5	30.4938	30.531	30.292	.239	.0378	83.8	-2.8	S.	13.54	8.3	10	0	39	.....	6.2	0.02	15
16	14.00	25.3	2.5	25.8	30.3545	30.480	30.208	.272	.0778	89.2	11.3	S.	12.42	10.0	10	0	0	.....	0.2	0.02	16
17	33.50	36.3	28.3	8.0	29.9992	30.203	29.843	.365	.1503	86.8	28.5	S.	19.29	10.0	10	10	0	.....	0.3	0.03	17
SUNDAY.....18	.....	35.9	9.3	26.6	.....	.....	.....	.....	.....	.....	.....	W.	21.17	.....	.....	.....	4	.....	0.2	0.02	18.....SUNDAY
19	4.95	9.3	0.8	8.5	30.3650	30.456	30.219	.237	.0450	82.5	1.0	N.	11.33	3.3	10	0	64	.....	.....	.....	19
20	17.68	24.8	7.3	17.5	29.9330	30.219	29.829	.390	.0952	93.7	16.0	N.E.	14.00	10.0	10	0	0	.....	1.8	0.50	20
21	30.03	37.6	21.3	16.3	29.8013	29.860	29.742	.118	.1582	94.0	28.3	E.	14.25	10.0	10	0	0	.....	0.24	0.24	21
22	36.68	38.9	34.4	4.5	29.8245	29.934	29.589	.345	.1893	86.7	33.0	S.	16.46	10.0	10	0	0	.....	0.21	0.21	22
23	36.55	40.9	33.6	7.3	29.6390	29.897	29.429	.468	.1682	77.3	29.8	S. W.	34.00	4.3	10	0	77	.....	0.10	0.10	23
24	30.50	35.5	24.4	11.1	29.9632	30.079	29.833	.196	.1268	73.7	23.2	S. W.	24.17	5.2	10	0	28	.....	0.0	0.00	24
SUNDAY.....25	.....	24.4	9.7	14.7	.....	.....	.....	.....	.....	.....	.....	S. W.	12.46	.....	.....	.....	69	.....	0.1	0.01	25.....SUNDAY
26	13.03	24.2	2.8	21.4	30.0877	30.319	29.780	.539	.0700	86.7	10.0	S.E.	8.58	6.7	10	0	51	.....	0.0	0.00	26
27	27.88	33.6	23.4	10.2	29.4195	29.780	29.328	.452	.1290	83.7	23.2	S.	21.00	10.0	10	0	0	.....	0.8	0.08	27
28	-3.68	27.6	-10.0	37.6	29.9057	30.087	29.393	.694	.0332	88.7	-6.3	S. W.	25.13	3.7	10	0	91	.....	0.3	0.03	28
29	0.42	7.3	-10.4	17.7	29.8720	30.074	29.718	.356	.0402	89.3	-2.2	N.	10.33	7.3	10	0	0	.....	0.6	0.06	29
30	30.43	41.9	7.3	34.6	29.7723	30.077	29.626	.451	.1560	86.5	26.8	S. W.	21.75	9.2	10	5	0	.....	0.14	0.14	30
31	3.68	26.1	-2.0	28.9	30.4622	30.579	30.077	.502	.0447	83.0	-0.3	N.W.	14.04	9.0	10	4	7	.....	.....	...	31
Means.....	18.65	26.57	11.75	14.82	29.9406	30.1002	29.7569	.3433	.1011	85.24	14.94	S. 54° W.	18.41	7.06	3.9	3.3	23.6	0.99	20.9	3.20	Sums.
24 Years means for and including this month.....	18.94	26.09	11.76	14.33	30.0313	.....	.....	.2967	.1001	82.97	.....	.....	16.63	6.89	..	..	29.12	1.32	23.43	3.59	{ 24 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	2278	121	345	527	1218	7552	1232	421	
Duration in hrs..	170	11	32	37	70	325	69	30	
Mean velocity....	13.40	11.00	10.78	14.24	17.40	23.24	17.85	14.03	

Greatest mileage in one hour was 51, on the 5th.
Greatest velocity in gusts 60 miles per hour on the 5th and 23rd.

Resultant mileage, 7420.
Resultant direction, S. 54° W.
Total mileage, 13,694.

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

† Observed.

‡ Pressure of vapour in inches of mercury.

§ Humidity relative, saturation being 100.

¶ 17 years only. * 12 years only.

The greatest heat was 41.9° on the 30th; the greatest cold was -11.0° on the 14th, giving a range of temperature of 52.9 degrees.

Warmest day was the 22nd. Coldest day was the 13th. Highest barometer reading was 30.579 on the 31st. Lowest barometer was 29.178 on the 5th, giving a range of 1.401 inches. Maximum rela-

tive humidity was 99 on the 6th, 20th and 21st. Minimum relative humidity was 61 on the 24th.

Rain fell on 5 days.

Snow fell on 22 days.

Rain or snow fell on 26 days.

Lunar halo on 1 night. Lunar corona on 3 nights.

Fog on 5 days.