

ABSTRACT FOR THE MONTH OF JANUARY, 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 CLOUDED 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	9.6j	17.2	-0.7	17.9	29.6602	29.898	29.505	.393	.0612	88.7	7.0	S. W.	26.00	7.0	10	0	0j	....	10.6	0.94	1
SUNDAY.....2	.....	13.7	-9.6	23.3	.....	.....	.....	.....	.....	.....	.....	S. W.	23.38	.....	.....	.....	76	.....	0.3	0.03	2
3	4.55	19.3	-2.8	20.1	29.9078	30.288	29.537	.751	.0500	86.5	1.2	S. W.	25.29	3.3	10	0	79	.....	1.6	0.13	3
4	-4.50	0.8	-10.7	11.5	30.2338	30.383	30.013	.370	.0328	92.3	-6.2	S. W.	10.6j	5.0	10	0	59	.....	0.5	0.04	4
5	10.55	27.3	-1.2	23.5	30.0315	30.039	29.976	.123	.0678	91.0	.....	S. W.	15.25	9.3	10	5	00	.....	1.3	0.11	5
6	30.90	33.4	27.9	5.5	29.8937	30.109	29.654	.455	.1520	87.3	2.8	S.	17.54	10.0	10	10	00	.....	2.4	0.20	6
7	29.93	34.7	21.0	13.7	29.8205	29.935	29.665	.270	.1437	85.0	26.2	S. W.	16.92	7.8	10	0	29	.....	0.5	0.06	7
8	30.58	37.3	20.7	16.6	29.4763	29.784	29.246	.538	.1487	86.8	27.3	S. W.	27.54	9.5	10	7	00	0.00	0.6	0.05	8
SUNDAY.....9	.....	29.2	12.7	16.5	.....	.....	.....	.....	.....	.....	.....	W.	16.06	.....	.....	.....	91	.....	.....	.....	9
10	20.32	25.9	9.4	19.5	30.0382	30.221	29.951	.270	.1013	89.8	18.0	S. W.	15.67	0.8	3	0	68	.....	.....	.....	10
11	3.45	10.9	-0.3	11.2	30.2093	30.326	30.007	.3.9	.0425	84.0	-0.7	N.	13.17	2.3	10	0	83	.....	0.0	0.00	11
12	19.47	20.0	1.5	27.5	29.6860	29.928	29.440	.481	.1030	95.5	18.3	N.	12.33	10.0	10	10	00	0.35	0.8	0.00	12
13	17.08	29.2	7.0	22.2	29.9035	30.171	20.520	.651	.0365	86.5	14.0	N.	14.42	3.3	10	0	83	.....	0.18	0.00	13
14	15.50	22.4	6.2	16.2	30.2145	30.276	30.167	.109	.0832	83.2	12.7	S. W.	12.28	7.5	10	5	32	.....	0.0	0.00	14
15	18.00	24.5	12.5	12.0	29.8673	30.103	29.630	.418	.0913	95.0	17.0	N.	8.83	10.0	10	10	00	.....	8.5	0.03	15
SUNDAY.....16	.....	22.5	4.3	18.2	.....	.....	.....	.....	.....	.....	.....	N. W.	11.13	.....	.....	.....	83	.....	0.0	0.00	16
17	1.98	5.9	-3.7	9.6	30.4103	30.464	30.299	.165	.0425	91.2	-0.4	S.	8.04	1.7	10	0	68	.....	.....	.....	17
18	17.45	23.8	2.7	21.1	30.4088	30.481	30.361	.113	.0901	90.2	15.2	S. W.	17.53	5.5	10	0	10	.....	0.6	0.01	18
19	22.63	27.9	14.1	13.8	30.4118	30.513	30.275	.238	.1108	90.7	20.2	S.	13.03	2.0	10	0	63	.....	.....	.....	19
20	21.40	30.8	11.6	19.2	29.8435	30.201	29.528	.673	.1113	93.3	19.8	N.	14.83	8.3	10	0	00	0.01	10.4	0.88	20
21	20.75	27.3	19.1	8.2	30.0543	30.268	29.724	.564	.1007	89.8	18.5	N.	12.00	10.0	10	10	00	.....	0.9	0.09	21
22	16.18	20.2	13.4	6.8	30.2540	30.345	30.031	.264	.0848	93.7	14.8	N.	8.25	10.0	10	10	00	.....	0.3	0.02	22
SUNDAY.....23	.....	29.0	13.0	16.0	.....	.....	.....	.....	.....	.....	.....	N.	18.58	.....	.....	.....	00	.....	16.9	1.67	23
24	13.93	17.3	11.6	5.7	30.0230	30.214	29.739	.475	.0715	87.2	11.0	S. W.	16.38	3.3	10	0	73	.....	0.4	0.04	24
25	12.85	18.5	6.5	12.0	30.0375	30.231	29.676	.555	.0710	90.5	10.7	S. W.	13.46	4.2	10	0	49	.....	.....	.....	25
26	16.77	22.3	8.5	13.8	29.6405	29.779	29.534	.255	.0790	84.7	13.3	N.	17.21	6.3	10	3	54	.....	2.2	0.21	26
27	1.30	16.1	2.0	14.1	29.8710	29.979	29.830	.149	.0412	89.7	-0.7	S. W.	12.00	0.2	1	0	94	.....	.....	.....	27
28	-5.45	0.3	-8.5	8.8	30.0672	30.133	29.989	.149	.0305	89.7	-7.5	S. W.	8.79	0.0	0	0	94	.....	.....	.....	28
29	-4.68	3.9	-11.9	15.8	30.0157	30.217	29.973	.244	.0313	83.2	-6.8	N.	14.03	3.3	10	0	77	.....	.....	.....	29
SUNDAY.....30	.....	-8.5	-20.9	12.4	.....	.....	.....	.....	.....	.....	.....	N.	9.04	.....	.....	.....	93	.....	.....	.....	30
31	-4.20	8.3	-20.7	29.0	29.9213	30.073	29.776	.297	.0362	93.2	-5.7	N.	17.88	8.3	10	0	00	.....	3.9	0.38	31
Means.....	12.94	19.95	4.22	15.71	29.9978	30.1711	29.8136	.3575	.0766	89.57	10.52	S. 76½ W.	15.13	5.73	9.0	2.7	44.0	0.57	62.7	6.17	..... Sums.
24 Years means for and including this month.....	12.06	20.35	4.34	16.09	30.0557	.....	.....	.325	.0732	82.02	.....	.....	16.14	6.30	.....	.....	34.99	0.79	30.83	3.63	{ 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.....	3320	309	28	21	1815	4393	529	844	.....
Duration in hrs..	250	18	2	2	136	251	33	48	4
Mean velocity....	13.28	17.17	14.00	10.50	13.35	17.50	16.03	17.58	.....

Greatest mileage in one hour was 47, on the 8th.

Greatest velocity in gusts 54 miles per hour on the 8th.

Resultant mileage, 4055.
Resultant direction, S. 76½ W.
Total mileage, 11,259.
Average velocity 15.13 m. p. h.

* 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 37.5° on the 8th; the greatest cold was -20.9° on the 30th, giving a range of temperature of 58.2 degrees.

Warmest day was the 6th. Coldest day was the 30th. Highest barometer reading was 30.513 on the 19th. Lowest barometer was 29.246 on the 8th, giving a range of 1.267 inches. Maximum relative

humidity was 100 on the 30th. Minimum relative humidity was 68 on the 8th.

Rain fell on 4 days.

Snow fell on 21 days.

Rain or snow fell on 22 days.

Lunar halo on 4 nights. Lunar coronas on 5 nights.

Fog on 4 days.

Mock moons on the 8th.