

ABSTRACT FOR THE MONTH OF DECEMBER, 1899.

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	41.27	48.0	33.1	14.9	29.606	29.835	29.376	.459	.1360	89.7	38.5	S.E.	14.71	8.5	10	1	0	0.23		0.23	1
2	40.25	48.0	34.1	13.9	29.4758	29.494	29.376	.118	.2082	83.0	35.2	S.W.	20.62	6.0	10	0	9	0.06		0.06	2
SUNDAY.....	3	37.7	31.4	6.3	29.5600	29.671	29.458	.213	.1252	92.8	22.8	S.W.	13.83		..	..	25	0.00	0.0	0.00	3
4	24.67	33.8	19.2	14.6	29.8243	29.931	29.622	.309	.0845	82.3	14.3	N.W.	21.25	10.0	10	10	0	6.2	0.62	4	
5	18.82	22.0	15.0	7.0	30.1327	30.453	29.910	.543	.0937	90.8	16.8	S.W.	13.46	8.3	10	0	16	0.00	0.00	5	
6	18.82	24.5	13.1	11.4	30.3105	30.534	29.926	.608	.0953	92.0	16.5	N.	11.50	5.3	10	0	0	0.00	0.00	6	
7	18.47	27.1	9.4	17.7	29.9917	30.218	29.810	.408	.1192	87.2	22.0	S.E.	10.08	7.3	10	0	0	3.0	0.30	7	
8	25.02	31.0	18.7	12.3	30.4513	30.508	30.218	.290	.0682	88.2	10.0	S.W.	17.07	0.2	10	5	4	0.0	0.00	8	
9	12.77	19.0	9.7	9.3	30.5731	30.634	30.381	.253	.0580	88.5	6.2	N.W.	5.47	2.2	7	0	86	3.3	0.33	9	
SUNDAY.....	10	33.6	6.6	27.0	30.0180	30.159	29.816	.343	.2115	94.5	35.7	S.E.	10.87	....	..	..	0	0.00	0.00	10	
11	37.17	42.2	33.2	9.0	29.6053	29.816	29.444	.372	.2862	87.0	42.8	S.	15.87	10.0	10	10	0	0.48	0.48	11	
12	47.03	56.4	41.3	15.1	29.8322	30.037	29.724	.313	.1975	88.8	34.0	S.	22.08	10.0	10	9	0	0.83	0.83	12	
13	37.12	41.3	31.5	9.8	30.3313	30.412	30.037	.375	.0953	88.8	16.8	S.W.	16.16	10.0	10	7	0	0.06	0.0	13	
14	19.63	31.6	16.4	15.2	30.0627	30.381	29.753	.628	.0903	92.3	15.3	N.W.	11.42	7.5	10	0	0	0.5	0.05	14	
15	17.23	22.9	7.1	15.8	30.5731	30.634	30.381	.253	.0580	88.5	6.2	W.	21.25	7.8	10	0	35	7.8	0.78	15	
16	8.83	14.7	0.3	14.4	30.5731	30.634	30.381	.253	.0580	88.5	6.2	W.	11.46	6.2	10	0	25	....	....	16	
SUNDAY.....	17	34.4	8.6	25.8	30.3512	30.428	30.184	.244	.1772	89.3	31.7	S.	7.42	....	..	..	0	....	....	17	
18	34.17	37.1	30.9	6.2	29.9762	30.184	29.854	.330	.1982	93.5	33.8	S.	11.37	9.8	10	8	20	....	....	18	
19	35.62	41.2	28.8	12.4	30.2322	30.311	30.090	.221	.1372	82.3	25.0	S.W.	22.17	8.2	10	0	0	0.67	0.1	19	
20	29.60	36.0	22.0	14.0	30.2553	30.278	30.191	.087	.1573	91.3	28.5	S.W.	18.62	7.3	10	0	13	....	....	20	
21	30.85	36.3	22.4	13.9	30.3292	30.360	30.278	.082	.1375	95.2	25.2	S.	7.67	8.3	10	0	16	....	....	21	
22	26.57	29.6	22.0	7.6	30.5000	30.300	29.820	.480	.1498	89.8	27.2	S.E.	0.42	9.2	10	5	0	....	....	22	
23	30.02	37.2	22.4	14.8	29.7310	29.833	29.687	.146	.0323	92.3	-6.7	S.E.	10.12	3.3	10	0	15	....	....	23	
SUNDAY.....	24	37.0	33.6	3.4	29.3788	29.600	29.188	.512	.1022	76.5	18.7	E.	19.50	....	..	..	0	0.02	0.1	24	
25	24.63	37.0	17.7	19.3	29.7512	29.882	29.607	.282	.0798	87.3	13.3	S.W.	17.25	3.7	8	0	55	0.03	0.03	25	
26	16.12	20.6	11.6	9.0	29.9803	30.033	29.882	.151	.0782	83.3	12.5	S.	9.25	0.5	1	0	84	....	....	26	
27	16.67	21.6	9.7	11.9	30.0420	30.085	29.991	.094	.0862	80.2	14.7	S.	8.38	5.8	10	0	28	0.4	0.04	27	
28	19.68	24.0	14.5	9.5	29.8943	29.991	29.833	.158	.0800	96.0	12.8	S.W.	5.96	7.2	10	0	21	0.5	0.05	28	
29	13.85	19.8	3.7	16.1	29.7310	29.833	29.687	.146	.0323	92.3	-6.7	S.W.	6.12	10.0	8	5	....	2.8	0.28	29	
30	-4.88	3.7	-9.1	12.8	29.7310	29.833	29.687	.146	.0323	92.3	-6.7	S.W.	31.17	5.0	10	0	21	0.2	0.02	30	
SUNDAY.....	31	0.8	-12.3	13.1	29.9903	30.129	29.821	.308	.1302	88.57	21.7	S.W.	12.46	....	..	..	60	....	....	31	
Means.....	24.65	30.65	17.63	13.02	29.9903	30.129	29.821	.308	.1302	88.57	21.7	S. 40° W.	13.73	7.18	9.4	2.4	17.4	2.35	24.9	4.84	Sums.
25 Years means for and including this month.....	19.16	26.27	12.00	14.27	30.0297			.297	.1013	83.19			16.46	6.89	..	..	28.47	1.36	23.48	3.64	{ 25 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.....	890	238	155	883	2053	4361	1141	493	72
Duration in hrs..	93	15	28	66	143	231	67	29	72
Mean velocity....	9.57	15.87	5.54	13.38	14.36	18.88	17.03	17.00	

Greatest mileage in one hour was 40, on the 30th.
Greatest velocity in gusts, 44 miles per hour on the 12th.

Resultant mileage, 5,660.
Resultant direction, S. 40° W.
Total mileage, 10,214

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

\$ Observed.

† Pressure of vapour in inches of mercury.

‡ Humidity relative, saturation being 100.

§ 18 years only. ¶ 13 years only.

The greatest heat was 56° 4 on the 12th; the greatest cold was -12° 3 on the 31st, giving a range of temperature of 68.7 degrees.

Warmest day was the 12th. Coldest day was the 30th. Highest barometer reading was 30.634 on the 16th. Lowest barometer was 29.083 on the 25th, giving a range of 1.551 inches. Maximum re-

lative humidity was 99 on the 4th, 11th, 12th, 15th, 21st, 22nd, 23rd. Minimum relative humidity was 65 on the 19th.

Rain fell on 9 days.

Snow fell on 15 days.

Rain or snow fell on 20 days.

Hoar frost on 2 days.

Lunar coronas on the 7th, 12th, 13th, 15th 16th.

Fog on 2 days.