

ABSTRACT FOR THE MONTH OF DECEMBER, 1891.

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 CLOUDY IN TENTHS.			Per cent. 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 perhour	Mean.	Max.	Min.						
	1	30.88	36.7	27.3	9.4	30.1150	30.197	30.003	0.194	.1385	79.7	25.5	S.W.	21.8	7.8	10	0	55	....	....	1	
	2	37.20	43.7	27.8	15.9	29.9647	30.042	29.910	0.132	.1580	71.3	28.5	S.W.	24.5	6.0	10	0	73	....	....	2	
	3	38.63	44.0	36.0	8.0	30.2260	30.258	30.157	0.101	.1897	81.5	33.3	S.W.	12.7	2.7	10	0	53	....	....	3	
	4	41.90	52.5	32.7	19.8	29.7815	30.144	29.428	0.716	.2067	76.8	35.2	S.E.	25.6	7.5	10	0	28	0.50	0.5	4	
	5	42.95	46.2	34.3	11.9	29.6572	29.702	29.616	0.086	.1510	54.7	27.7	S.W.	36.7	4.8	10	0	68	0.02	0.02	5	
SUNDAY	6	.....	43.7	31.6	12.1	.....	.....	.....	.....	.....	.....	.....	S.W.	23.0	.....	.....	76	....	Inap.	0.00	6 SUNDAY	
	7	26.27	32.5	22.5	10.0	29.7363	29.910	29.610	0.300	.1187	84.8	22.0	N.W.	19.9	8.0	10	0	00	....	2.6	0.26	7
	8	28.08	34.8	19.2	15.6	30.0070	30.078	29.924	0.154	.1158	75.2	21.2	S.W.	23.8	4.7	10	0	82	....	....	....	8
	9	39.50	41.8	30.8	11.0	29.9388	30.054	29.866	0.188	.1562	64.2	28.3	S.W.	37.2	5.5	10	0	62	....	....	....	9
	10	40.47	44.8	36.8	8.0	29.9578	30.047	29.887	0.160	.1593	62.8	28.7	S.W.	26.6	6.2	10	0	62	....	....	....	10
	11	35.52	42.2	28.0	14.2	30.1597	30.313	30.034	0.279	.1470	69.8	26.5	W.	22.8	2.8	10	0	81	....	....	....	11
	12	31.02	39.0	23.5	15.5	30.1037	30.229	29.978	0.351	.1352	76.5	24.5	S.W.	12.5	7.7	10	0	23	....	....	....	12
SUNDAY	13	.....	45.0	36.4	8.6	.....	.....	.....	.....	.....	.....	.....	S.W.	28.5	.....	.....	88	....	....	....	13 SUNDAY	
	14	27.95	38.3	19.3	19.0	30.1952	30.412	29.992	0.420	.1107	69.2	19.7	N.W.	20.0	7.8	10	0	01	....	....	....	14
	15	22.63	34.8	18.0	16.8	29.9557	30.406	29.375	1.031	.1115	87.7	19.8	E.	18.1	8.3	10	0	00	0.14	6.0	0.74	15
	16	19.55	35.3	4.5	30.8	29.4788	29.728	29.272	0.456	.0913	77.2	13.5	S.W.	23.5	10.0	10	0	00	0.15	1.6	0.31	16
	17	3.47	11.0	-4.0	15.0	30.0727	30.382	29.856	0.526	.0385	75.0	-3.0	S.W.	27.3	3.3	10	0	00	....	Inap.	0.00	17
	18	16.78	26.5	7.4	19.1	30.4435	30.525	30.350	0.175	.0783	80.7	11.7	S.W.	25.0	6.7	10	0	65	....	Inap.	0.00	18
	19	29.28	33.0	26.3	6.7	30.3927	30.425	30.351	0.074	.1375	85.2	25.3	S.W.	16.0	5.8	10	0	68	....	Inap.	0.00	19
SUNDAY	20	.....	29.5	20.2	9.3	.....	.....	.....	.....	.....	.....	.....	S.W.	5.5	.....	.....	01	....	....	....	20 SUNDAY	
	21	26.53	33.6	18.6	15.0	30.3023	30.348	30.236	0.112	.1275	87.5	23.3	S.	14.3	5.0	10	0	31	....	....	....	21
	22	35.22	43.8	22.3	21.5	30.0248	30.188	29.939	0.249	.1788	85.0	31.2	S.	23.0	9.2	10	5	00	0.03	....	0.03	22
	23	39.28	45.6	34.4	11.2	29.9686	30.079	29.864	0.155	.2292	95.0	36.8	S.W.	12.9	10.0	10	0	00	0.46	....	0.46	23
	24	32.57	37.0	31.0	6.0	30.1375	30.187	30.096	0.091	.1763	95.5	31.3	N.E.	10.0	8.3	10	0	00	0.02	0.3	0.05	24
	25	33.42	35.2	32.3	2.9	30.0667	30.128	29.977	0.151	.1855	97.0	32.7	N.E.	8.3	10.0	10	0	00	0.02	....	0.02	25
	26	40.08	46.8	32.5	14.3	29.5493	29.837	29.335	0.502	.2150	85.0	35.8	S.	26.2	10.0	10	0	00	0.23	....	0.23	26
SUNDAY	27	.....	33.5	21.0	12.5	.....	.....	.....	.....	.....	.....	.....	S.W.	25.7	.....	.....	57	....	Inap.	0.00	27 SUNDAY	
	28	16.60	21.7	12.3	9.4	30.2928	30.352	30.203	0.149	.0737	80.7	11.7	N.E.	7.3	1.8	10	0	68	....	....	....	28
	29	34.87	39.2	16.8	22.4	29.8692	30.142	29.629	0.513	.1612	78.7	28.7	S.E.	22.2	10.0	10	0	03	0.36	....	0.36	29
	30	24.82	38.5	7.0	31.5	29.9413	30.373	29.649	0.724	.1163	77.0	18.7	W.	27.5	5.0	10	0	32	0.21	1.0	0.31	30
	31	6.63	12.6	-1.3	13.9	30.6518	30.725	30.545	0.180	.0375	63.8	-3.5	W.	18.5	0.0	0	0	91	....	....	....	31
Means		29.71	36.87	22.76	14.11	30.0365	.....	.....	0.303	.1387	78.4	23.5	.....	20.9	6.48	.....	.....	37.7	2.14	12.0	3.34	Sums
17 Years means for and including this month		18.96	26.03	11.62	14.41	30.0205	.....	.....	0.293	.0988	82.1	.....	.....	.....	7.08	.....	.....	29.3	1.39	23.7	3.73	{ 17 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.....	384	721	429	1245	1251	9845	1530	126	.....
Duration in hrs.	26	58	27	64	63	418	74	10	4
Mean velocity....	14.8	12.4	15.9	19.5	19.9	23.6	20.7	12.6	.....

Greatest mileage in one hour was 52 on the 26th.
Greatest velocity in gusts, 65 miles per hour on the 26th.

Resultant mileage, 10,550.
Resultant direction, S. 40° W.
Total mileage, 15,531.

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

‡ Observed.

† Pressure of vapour in inches of mercury.

‡ Humidity relative, saturation being 100.

† 10 years only.

The greatest heat was 52° 5 on the 4th; the greatest cold was 4° 0 below zero on the 17th, giving a range of temperature of 56.5 degrees. Warmest day was the 5th. Coldest day was the 17th. Highest barometer reading was 30.725 on the 31st; lowest barometer was 29.272 on the 16th, giving a range of 1.453 inches. Maximum relative hu-

midity was 98 on 3 days. Minimum relative humidity was 47 on the 5th.

Rain fell on 11 days.

Snow fell on 11 days.

Rain or Snow fell on 17 days.

Hear frost on 5 days.

Fog on 5 days.

Coloured solar halos of 22° and 46° with contact arcs and parhelia on the 6th.

NOTE.—The mean temperature of this month was 10.97 above the normal and is the highest for December in the Seventeen Years over which the present series of observations extends.