

ABSTRACT FOR THE MONTH OF OCTOBER, 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.		DRY CLOUDY IN TESTS.			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	66.27	72.8	60.7	12.1	30.3300	30.387	30.128	.259	.4682	72.5	57.2	N.	13.29	2.7	8	0	80	....	....	....	1
SUNDAY..... 2	67.10	73.8	56.3	17.5	30.1152	30.209	30.015	.194	.6022	90.3	64.2	N.W.	10.29	....	....	....	4	....	....	....	2.....SUNDAY
3	67.11	71.7	62.9	8.8	30.0948	30.167	30.013	.154	.5022	74.8	57.7	S.E.	12.75	8.0	10	0	3	....	....	....	3
4	66.48	73.9	55.2	18.7	29.8850	30.137	29.769	.368	.3410	88.2	48.3	S.W.	14.17	6.0	10	0	64	0.99	....	0.99	4
5	51.80	58.6	49.7	8.9	30.3292	30.389	29.905	.484	.2030	67.2	35.0	N.	16.71	7.2	10	0	1	0.03	....	0.03	5
6	45.23	50.7	40.3	10.4	30.3143	30.418	30.208	.210	.2618	75.5	41.3	N.W.	12.88	1.3	5	0	66	....	....	....	6
7	49.08	56.6	38.5	18.1	30.0122	30.208	29.931	.277	.2912	76.3	44.0	S.W.	6.04	4.2	10	0	66	....	....	....	7
8	51.85	59.6	47.5	12.1	30.0122	30.208	29.931	.277	.2912	76.3	44.0	S.	10.25	4.3	10	0	54	....	....	....	8
SUNDAY..... 9	52.8	52.8	34.5	18.3	30.3327	30.450	30.190	.260	.1458	62.0	26.5	N.	14.42	....	....	....	82	....	....	....	9.....SUNDAY
10	38.68	45.6	30.6	15.0	29.7177	30.190	29.500	.690	.4212	88.7	53.8	N.E.	6.71	2.5	8	0	82	....	....	....	10
11	57.23	64.5	40.0	24.5	29.7177	30.190	29.500	.690	.4212	88.7	53.8	S.	21.17	10.0	10	0	0	0.17	....	0.17	11
12	50.77	57.7	41.0	16.7	29.7388	29.937	29.603	.334	.3012	78.7	44.0	S.W.	18.46	7.2	10	0	45	0.03	....	0.03	12
13	39.38	42.5	33.5	9.0	30.0593	30.124	29.937	.187	.1777	73.3	31.5	N.	8.88	7.0	10	0	19	....	....	....	13
14	39.57	43.7	36.8	6.9	30.0127	30.124	29.908	.216	.2165	88.7	36.5	N.	14.75	10.0	10	0	0	0.32	....	0.32	14
15	36.88	40.0	35.1	4.9	29.8117	29.908	29.758	.150	.1963	89.7	34.0	N.	16.71	10.0	10	0	0	0.67	....	0.67	15
SUNDAY..... 16	49.6	49.6	36.5	13.1	30.3668	30.409	30.295	.074	.1783	81.3	31.8	N.	17.08	....	....	....	74	....	....	....	16.....SUNDAY
17	36.93	42.7	32.5	10.2	30.3130	30.430	30.229	.201	.1865	77.2	32.7	N.E.	12.33	2.5	8	0	61	....	....	....	17
18	39.60	49.8	30.0	19.8	30.1732	30.254	30.106	.148	.2333	90.8	42.5	N.E.	17.42	1.2	8	0	73	....	....	....	18
19	40.05	44.0	34.7	9.3	30.2312	30.266	30.106	.160	.2749	90.8	42.5	W.	10.04	8.3	10	0	0	0.95	....	0.95	19
20	45.27	51.2	41.5	9.7	30.0865	30.257	29.835	.422	.2822	92.5	43.3	E.	6.79	3.3	10	0	49	0.01	....	0.01	20
21	51.4	51.4	38.5	12.9	29.4213	29.835	29.219	.616	.3643	90.0	50.0	N.E.	11.33	10.0	10	0	0	0.11	....	0.11	21
22	52.87	59.8	47.8	12.0	30.0865	30.257	29.835	.422	.2822	92.5	43.3	N.E.	15.67	8.3	10	0	0	0.48	....	0.48	22
SUNDAY..... 23	55.0	55.0	44.2	10.8	30.1747	30.233	30.080	.053	.2810	79.5	43.3	S.W.	18.88	....	....	....	25	0.05	....	0.05	23.....SUNDAY
24	49.38	55.7	45.0	10.7	30.1103	30.205	29.993	.207	.3022	81.5	45.2	S.	12.33	8.8	10	0	27	....	....	....	24
25	50.65	56.5	44.0	12.5	29.6993	29.998	29.449	.549	.3993	94.0	52.7	S.	14.46	6.2	10	0	21	....	....	....	25
26	54.27	58.9	49.2	9.7	29.8397	30.253	29.449	.813	.1917	83.2	32.7	S.	15.75	10.0	10	0	0	0.32	....	0.32	26
27	37.37	51.4	34.3	19.1	30.4327	30.485	30.253	.232	.1523	83.7	27.8	N.	30.67	9.5	10	7	16	0.19	0.0	0.19	27
28	32.25	35.8	29.0	6.8	30.3340	30.430	30.217	.219	.1853	82.0	32.2	N.	7.75	6.5	10	3	44	....	....	....	28
29	37.03	46.7	28.3	18.4	30.3340	30.430	30.217	.219	.1853	82.0	32.2	N.	6.79	1.2	7	0	83	....	....	....	29
SUNDAY..... 30	42.0	42.0	32.0	10.0	29.9693	30.156	29.859	.297	.1978	82.5	34.3	N.	8.67	....	....	....	0	0.02	....	0.02	30.....SUNDAY
31	39.30	44.9	34.7	10.2	29.9693	30.156	29.859	.297	.1978	82.5	34.3	W.	10.63	8.8	10	3	33	0.00	....	0.00	31
Means.....	46.95	53.55	40.74	12.81	30.0735	30.2256	29.9204	.3052	.2829	82.18	41.56	S. 83° W.	13.23	6.34	9.3	2.5	36.4	4.57	0.0	4.57	Sums.
24 Years means for and including this month.....	45.49	52.50	38.64	13.86	30.0017	.....	.....	.218	.2454	76.65	....	....	5.13	52	6.33	....	44.05	3.02	....	3.14	{ 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.....	2673	1085	168	1048	2616	965	447	840	
Duration in hrs..	218	108	19	81	146	52	49	65	6
Mean velocity....	12.26	10.05	8.84	12.94	17.92	18.56	9.01	12.92	

Greatest mileage in one hour was 48, on the 27th.

Greatest velocity in gusts 54 miles per hour on the 27th.

Resultant mileage, 48.
Resultant direction, S. 83° W.
Total mileage, 9,842.
Average velocity 13.23 m. p. h.

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

† Pressure of vapour in inches of mercury.

‡ Humidity relative, saturation being 100.

§ 17 years only. ¶ 12 years only.

The greatest heat was 73.9° on the 4th; the greatest cold was 28.3° on the 29th, giving a range of temperature of 45.6 degrees.

Warmest day was the 3rd. Coldest day was the 28th. Highest barometer reading was 30.485 on the 28th. Lowest barometer was 29.219 on the 22nd, giving a range of 1.266 inches. Maximum rela-

tive humidity was 99 on the 3rd, 19th, 20th and 26th. Minimum relative humidity was 46 on the 9th and 10th.

Rain fell on 16 days.

Snow fell on 2 days.

Rain or snow fell on 16 days.

Lunar corona on 1 night. Lunar halos on 4 nights.

Hour frost on 4 days. Fog on 10 days.