

ABSTRACT FOR THE MONTH OF OCTOBER, 1901.

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

DAY	THERMOMETER.				* BAROMETER.				† Mean relative humidity.	WIND.		Per cent. possible Sunshine.	Rainfall in inches.	Snow fall in inches.	Rain and snow melted.	DAY.
	† Mean.	Max.	Min.	Range.	† Mean.	Max.	Min.	Range.		General direction.	Mean velocity in miles per hour					
1	54.74	63.0	44.2	18.8	29.98	30.13	29.74	.39	79	S.W.	10.0	65	....	....	....	1
2	53.86	62.7	44.5	18.2	29.61	29.74	29.49	.25	88	S.E.	16.6	00	0.59	....	0.59	2
3	40.57	54.1	41.2	12.9	29.69	29.75	29.66	.09	77	W.	6.6	51	....	....	....	3
4	44.03	54.1	39.0	15.1	29.92	30.11	29.75	.36	82	W.	12.0	58	....	....	....	4
5	33.72	47.7	39.1	8.6	30.03	30.17	29.89	.28	79	W.	12.8	50	0.04	....	0.04	5
SUNDAY.....	42.62	49.0	35.5	13.5	30.13	30.36	29.85	.51	77	N.W.	13.5	13	....	....	....	6.....SUNDAY
7	44.77	51.0	36.7	14.3	30.41	30.47	30.35	.12	72	W.	14.6	90	....	....	....	7
8	50.80	58.7	43.3	15.4	30.24	30.35	30.11	.24	75	S.W.	13.3	07	....	....	....	8
9	54.35	61.0	53.0	8.0	30.09	30.11	30.06	.05	82	S.W.	13.3	00	....	....	....	9
10	56.83	66.0	53.0	13.0	30.14	30.17	30.09	.06	94	S.	11.1	00	0.30	....	0.30	10
11	58.94	70.0	53.0	17.0	30.15	30.21	30.08	.13	90	S.W.	11.8	42	....	....	....	11
12	61.17	70.0	54.6	15.4	29.94	30.08	29.86	.22	83	S.E.	15.8	51	....	....	....	12
SUNDAY.....	59.17	63.0	54.9	8.1	29.77	29.86	29.67	.19	89	S.E.	19.3	00	0.60	....	0.60	13.....SUNDAY
14	53.84	57.0	50.7	6.3	29.94	29.99	29.81	.18	76	S.W.	10.8	67	....	....	....	14
15	52.37	59.0	47.0	12.0	30.00	30.04	29.94	.06	70	S.W.	14.7	93	....	....	....	15
16	50.35	52.2	40.2	12.0	29.99	30.03	29.94	.09	87	S.W.	13.7	00	0.13	0.0	0.13	16
17	40.87	47.5	35.5	12.0	29.82	29.94	29.78	.16	82	N.E.	8.3	00	0.62	....	0.62	17
18	37.21	41.0	34.1	6.9	29.98	29.99	29.82	.17	60	W.	14.9	79	....	....	....	18
19	39.12	47.0	32.9	14.1	29.86	30.19	29.94	.25	78	N.	18.0	14	0.85	1.0	0.95	19
SUNDAY.....	35.34	38.8	30.5	8.3	30.34	30.40	30.19	.21	72	W.	14.0	39	0.02	....	0.02	20.....SUNDAY
21	39.15	42.0	35.5	6.5	30.27	30.34	30.16	.11	76	W.	11.8	80	0.06	....	0.06	21
22	49.32	55.3	35.0	20.3	29.87	30.16	29.83	.33	73	W.	20.4	70	....	....	....	22
23	52.89	62.6	42.1	20.5	29.53	29.83	29.36	.47	71	W.	27.5	32	0.02	....	0.02	23
24	40.02	43.3	36.0	7.3	29.88	30.11	29.63	.45	62	N.W.	20.6	01	....	....	0.00	24
25	37.72	42.1	31.0	11.1	30.18	30.24	30.11	.13	61	N.W.	13.7	78	....	....	....	25
26	40.44	57.0	35.0	22.0	29.96	30.14	29.82	.32	69	W.	18.6	63	0.00	0.0	0.00	26
SUNDAY.....	43.57	53.0	37.0	16.0	30.11	30.35	29.82	.53	58	N.W.	15.1	83	0.27	....	0.27	27.....SUNDAY
28	30.07	40.8	31.6	9.2	30.55	30.63	30.35	.28	68	N.W.	6.7	99	....	....	....	28
29	38.12	49.4	30.0	19.4	30.56	30.65	30.45	.20	73	E.	7.9	58	....	....	....	29
30	53.84	58.1	41.2	16.9	30.27	30.45	30.17	.28	74	S.W.	15.4	37	....	....	....	30
31	53.53	63.0	46.1	16.9	30.08	30.17	29.91	.26	74	S.	14.7	41	....	....	....	31
Means.....	47.17	53.93	40.76	13.17	30.041	30.166	29.924	.242	75.8	W. 16 15' S.	14.11	41.8	3.50	1.0	3.60	Sums.
27 Years means for and including this month.....	45.95	52.93	39.05	13.88	30.014	.....	.....	.217	76.9	....	§ 13.44	44.60	3.03	....	3.13	{ 27 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.....	676	205	197	987	864	2711	3274	1587	
Duration in hrs..	51	22	29	64	66	193	207	105	4
Mean velocity....	12.5	9.3	6.8	15.4	13.1	14.0	15.8	15.1	

Greatest mileage in one hour was 34 on the 23rd
Greatest velocity in gusts was 40 miles per hour on the 23rd.
Resultant mileage, 5480.

Resultant direction, W. 16° 15' S.
Total mileage, 10,501.

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

† Mean of bi-hourly readings taken from self-recording instruments.

‡ Humidity relative, saturation being 100.
Mean of observations at 8, 15 and 20 hours.

§ 20 years only. ¶ 15 years only.

The greatest heat was 70.0 on the 12th; the greatest cold was 30.0 on the 29th, giving a range of temperature of 40.0 degrees. Warmest day was the 12th. Coldest day was the 20th.

Highest barometer reading was 30.65 on the

29th; lowest barometer was 29.36 on the 23rd giving a range of 1.29 inches.

Minimum relative humidity observed was 47 on the 18th.

Rain fell on 12 days.

Snow fell on 3 days.

Rain or Snow fell on 14 days.

Lunar Corona on 31st.

Fog on the 29th.