

# ABSTRACT FOR THE MONTH OF SEPTEMBER, 1890.

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

DAY.	THERMOMETER.				*BAROMETER.				† Mean pressure of vapour.	‡ Mean relative humidity.	Dew point.	WIND.		SKY CLOUDED IN TENTHS.			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	61.82	68.7	53.3	14.9	30.1640	30.198	30.120	.078	.3807	69.5	51.7	S.W.	15.3	3.7	10	0	99	.....	.....	1
2	59.90	65.9	58.4	10.5	30.1853	30.211	30.160	.051	.4380	84.7	55.3	S.W.	15.2	5.5	10	1	93	.....	.....	2
3	57.07	60.0	48.0	18.0	30.2427	30.293	30.211	.082	.3120	68.0	46.0	N.E.	7.8	0.5	10	3	97	.....	.....	3
4	61.72	72.9	48.4	24.5	30.1040	30.215	29.978	.237	.4402	79.0	54.5	S.E.	9.2	7.2	10	3	17	.....	.....	4
5	70.10	77.0	63.0	14.0	29.9870	30.012	29.962	.050	.5458	74.3	61.0	S.W.	15.0	6.3	10	10	50	0.02	.....	5
6	64.02	71.0	58.3	12.7	30.0402	30.075	30.012	.064	.4737	79.3	57.3	N.E.	5.1	6.3	10	0	22	.....	.....	6
SUNDAY	7	.....	77.7	56.5	21.2	.....	.....	.....	.....	.....	.....	S.	6.8	.....	.....	.....	47	.....	.....	7
8	69.37	80.0	61.3	18.7	30.0107	30.124	29.935	.189	.6080	83.8	64.2	S.	13.6	7.2	10	0	51	0.26	.....	8
9	60.12	67.0	54.4	12.6	30.2457	30.292	30.164	.128	.3595	70.0	49.8	N.E.	9.0	5.2	10	0	59	.....	.....	9
10	58.57	64.5	54.5	10.0	30.3445	30.367	30.313	.054	.3795	77.3	51.3	N.E.	6.0	7.2	10	5	9	.....	.....	10
11	56.10	60.7	52.6	8.1	30.3118	30.381	30.220	.161	.3783	83.7	51.3	S.E.	10.1	10.0	10	10	68	0.27	.....	11
12	61.65	67.2	55.0	12.2	30.0050	30.153	29.871	.282	.5435	68.0	61.0	S.	10.8	10.0	10	10	00	1.74	.....	12
13	67.95	76.8	58.4	18.4	29.7580	29.885	29.666	.219	.5975	85.3	63.0	S.W.	15.7	7.5	10	2	27	0.62	.....	13
SUNDAY	14	.....	62.8	48.3	14.5	.....	.....	.....	.....	.....	.....	S.W.	11.5	.....	.....	.....	91	.....	.....	14
15	57.80	65.9	49.7	16.2	30.0518	30.106	29.978	.128	.3937	82.8	52.3	S.E.	5.3	8.0	10	3	32	.....	.....	15
16	58.07	62.1	54.3	7.8	29.9637	29.102	29.929	.053	.4633	95.8	56.8	S.E.	5.3	10.0	10	10	00	0.26	.....	16
17	58.70	64.6	54.3	10.3	29.9842	30.047	29.942	.105	.4008	81.7	52.8	N.W.	19.7	4.7	10	0	35	.....	.....	17
18	61.60	69.9	53.0	16.3	29.9723	30.002	29.953	.049	.3683	67.3	50.5	N.W.	12.5	0.0	0	0	99	.....	.....	18
19	62.42	71.1	52.1	19.0	29.9217	30.020	29.792	.228	.4002	71.8	52.7	S.	14.6	0.5	2	1	96	.....	.....	19
20	54.87	63.1	44.8	18.3	29.9822	30.183	29.819	.364	.3238	73.3	46.3	S.W.	17.8	5.5	10	0	35	0.10	.....	20
SUNDAY	21	.....	53.8	39.5	14.3	.....	.....	.....	.....	.....	.....	S.W.	6.9	.....	.....	.....	98	.....	.....	21
22	52.95	59.6	44.0	15.6	29.9422	30.094	29.808	.286	.3187	79.5	46.3	S.W.	7.5	9.0	10	4	48	Inapp.	.....	22
23	52.33	59.6	40.0	13.6	29.8165	29.971	29.743	.228	.3137	79.3	45.7	N.W.	10.3	9.2	10	2	39	0.03	.....	23
24	45.97	51.8	40.6	11.2	30.2100	30.295	30.058	.237	.1920	62.2	33.2	N.W.	13.5	2.3	10	0	81	.....	.....	24
25	49.27	56.9	40.8	16.1	30.1422	30.314	30.006	.308	.2360	60.0	38.7	S.W.	15.1	0.2	1	0	99	.....	.....	25
26	50.57	56.0	43.1	14.9	29.9518	30.004	29.926	.078	.3200	86.3	46.5	S.W.	10.4	8.3	10	0	07	0.19	.....	26
27	45.42	51.3	41.5	10.3	30.1408	30.280	29.990	.290	.2495	79.2	39.2	N.	10.0	6.7	10	0	00	0.08	.....	27
SUNDAY	28	.....	52.0	38.6	13.4	.....	.....	.....	.....	.....	.....	N.	5.8	.....	.....	.....	85	.....	.....	28
29	47.00	55.0	38.1	16.9	30.3598	30.450	30.279	.171	.2348	73.3	38.5	S.W.	6.2	0.3	2	0	97	.....	.....	29
30	57.10	65.3	46.0	19.3	30.2083	30.230	30.179	.051	.3300	71.3	47.7	S.W.	19.0	0.2	1	0	96	.....	.....	30
..... Means	57.79	64.62	49.83	14.79	30.0786	.....	.....	.160	.3846	77.9	50.5	.....	11.3	5.75	.....	.....	51.6	3.57	.....	Sums
16 yrs. means for & including this mo.	58.51	66.47	50.77	15.71	30.0110	.....	.....	.178	.3807	75.1	.....	.....	.....	5.69	.....	.....	51.47	3.34	.....	16 yrs. 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.....	792	602	150	709	1070	3262	917	620	.....
Duration in hrs..	77	65	27	83	99	237	72	61	5
Mean velocity...	12.9	9.3	5.6	8.5	10.8	14.1	12.7	10.2	.....

Greatest mileage in one hour was 38 on the 30th.  
 Greatest velocity in gusts, 42 miles per hour on the 30th.  
 Resultant mileage, 3410.

Resultant direction, S. 49° W.  
 Total mileage, 8,122.  
 Average mileage, 11.3.

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

‡ Observed.  
 † Pressure of vapour in inches of mercury.  
 ‡ Humidity relative, saturation being 100  
 ¶ Nine years only.

The greatest heat was 80.0 on the 8th; the greatest cold was 33.1 on the 29th, giving a range of temperature of 41.9 degrees. Warmest day was the 5th. Coldest day was the 28th. Highest barometer reading was 30.450 on the 29th; lowest barometer was 29.666 on the 13th,

giving a range of 0.734 inches. Maximum relative humidity was 100 on the 12th and 13th. Minimum relative humidity was 48 on the 24th.  
 Rain fell on 11 days.  
 Aurora were observed on four nights.  
 Hoar frost on four days.  
 Fog on four days.  
 Slight earthquake at three minutes past three on the morning of the 26th.