

ABSTRACT FOR THE MONTH OF SEPTEMBER, 1893.

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.			Percent 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 per hour.	Mean.	Max.	Min.					
1	59.87	68.7	48.2	20.5	29.9857	30.159	29.768	.391	.3902	77.3	52.0	N.E.	7.7	3.7	8.0	0	62	....	....	....	1
2	53.87	63.5	46.3	17.2	29.8045	29.964	29.671	.293	.3242	76.2	46.5	S.W.	10.2	7.0	10.0	0	54	0.19	....	0.10	2
SUNDAY	55.9	56.9	42.9	14.0	....	....	....	....	....	....	....	S.W.	15.6	....	....	....	25	0.02	....	0.02	3
4	58.12	59.5	41.1	18.4	29.8763	29.914	29.831	.083	.2512	63.7	39.7	S.W.	17.5	0.5	2.0	0	94	....	....	....	4
5	55.82	65.1	46.8	18.3	29.8157	29.879	29.744	.135	.3610	80.0	49.7	W.	9.1	8.0	10.0	0	81	0.06	....	0.06	5
6	53.88	60.5	44.0	16.5	30.0557	30.084	29.985	.099	.2643	63.8	41.3	N.W.	9.0	6.0	10.0	6	81	....	....	....	6
7	52.64	58.2	49.5	8.7	29.8562	30.053	29.632	.418	.3335	83.5	47.7	S.E.	17.3	9.3	10.0	6	80	0.41	....	0.41	7
8	56.25	64.5	47.1	17.4	30.0265	30.085	29.940	.145	.3005	65.8	44.7	N.W.	15.4	1.7	6.0	0	90	....	....	....	8
9	60.30	70.1	51.7	18.4	30.0337	30.141	29.929	.212	.3668	70.5	50.3	S.W.	19.0	2.7	8.0	0	86	....	....	....	9
SUNDAY	50.3	50.3	50.3	16.6	....	....	....	....	....	....	....	N.E.	18.8	....	....	....	64	....	....	....	10
11	54.40	62.0	44.3	17.7	30.2913	30.327	30.262	.065	.2782	66.2	43.0	N.E.	6.4	0.0	0.0	0	91	....	....	....	11
12	56.47	66.5	44.6	21.9	30.2858	30.334	30.238	.096	.3235	71.3	46.8	E.	0.0	0.0	0.0	0	85	....	....	....	12
13	62.63	76.5	49.2	27.3	30.2055	30.299	30.126	.173	.4057	72.0	53.0	S.E.	1.4	3.2	10.0	7	82	....	....	....	13
14	66.92	74.5	60.0	14.5	30.0348	30.127	29.945	.182	.5418	82.3	61.2	S.E.	5.3	9.3	10.0	7	80	....	....	....	14
15	67.85	75.5	65.2	10.3	29.7648	29.887	29.657	.230	.5772	84.7	63.0	S.E.	0.3	9.0	10.0	10	10	0.02	....	0.02	15
16	56.85	68.1	53.5	14.6	29.5042	29.592	29.415	.177	.4175	89.2	53.7	S.W.	11.1	8.0	10.0	0	13	0.42	....	0.42	16
SUNDAY	55.5	55.5	44.0	11.5	....	....	....	....	....	....	....	S.W.	10.6	....	....	....	80	0.43	....	0.43	17
18	51.45	60.4	42.4	18.0	29.8120	29.843	29.765	.078	.3225	84.7	46.8	S.W.	20.9	6.2	10.0	0	57	0.21	....	0.21	18
19	58.33	65.5	52.0	13.5	29.6968	29.730	27.664	.066	.4278	88.2	54.6	W.	9.0	10.0	10.0	0	60	....	....	....	19
20	55.10	60.8	47.5	13.3	29.8932	30.057	29.709	.348	.3133	71.3	45.5	N.W.	21.2	3.8	10.0	0	76	0.09	....	0.09	20
21	49.13	55.6	44.0	11.6	30.0785	30.138	30.002	.136	.2402	67.8	38.5	S.W.	12.7	4.7	10.0	0	83	....	....	....	21
22	52.12	56.9	48.2	8.7	29.7922	29.935	29.660	.273	.3647	93.5	50.2	S.E.	13.5	9.0	10.0	4	00	0.11	....	0.11	22
23	55.27	60.0	50.5	9.5	29.8033	29.888	29.707	.181	.3865	86.5	51.8	S.W.	9.1	0.3	10.0	0	94	Inap	....	Inap	23
SUNDAY	56.5	56.5	43.5	13.0	....	....	....	....	....	....	....	S.W.	15.9	....	....	....	00	....	....	....	24
25	50.75	60.9	42.5	18.4	29.8163	30.021	29.619	.402	.3437	90.8	47.8	S.E.	18.1	7.7	10.0	0	60	0.44	....	0.44	25
26	47.25	55.2	38.5	16.7	30.2277	30.312	30.092	.220	.2350	74.7	33.8	S.W.	15.4	3.7	10.0	0	54	....	....	....	26
27	49.50	57.4	45.1	12.3	30.2627	30.300	30.233	.067	.2780	79.5	43.0	S.W.	3.4	6.7	10.0	0	84	....	....	....	27
28	49.03	59.0	42.0	17.0	30.1432	30.237	30.060	.177	.2495	82.7	43.3	N.	5.8	4.0	10.0	0	56	....	....	....	28
29	48.75	56.1	44.0	12.1	31.1605	30.212	30.105	.107	.5535	75.3	42.8	N.E.	15.0	8.0	10.0	4	31	Inap	....	Inap	29
30	49.25	58.4	39.0	19.4	30.1478	30.235	30.079	.156	.2418	70.5	39.2	N.	10.3	0.5	3.0	0	86	....	....	....	30
Means	54.83	62.57	46.83	15.74	29.9760	....	....	.189	3345	77.38	....	S. 60½ W.	12.3	5.37	....	....	149.0	2.40	....	2.40	Sums
19 Years means for and including this month	58.46	66.55	50.74	15.81	30.0158	....	....	.178	3799	75.22	....	....	....	5.61	....	....	55.0	3.15	....	3.15	{ 19 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.....	484	783	25	1070	352	4012	679	1417	....
Duration in hrs..	52	67	10	110	39	252	50	96	44
Mean velocity...	9.3	11.8	2.5	9.7	9.0	15.9	13.6	14.8	....

Greatest mileage in one hour was 21 on the 16th.
 Greatest velocity in gusts 48 miles per hour, on the 16th.
 Resultant mileage 3702.
 Resultant direction, S. 60° W.

Total mileage, 5827.
 Average mileage per hour, 12.3 m. per hour.
 The mean temperature for September, 54.83 is the lowest that has been seen here since a record has been kept: the one which approaches it the nearest was in 1875, when it reached 55.19.

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

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

The greatest heat was 76.5 on the 18th: and the greatest cold was 38.8 on the 26th, giving a range of temperature of 38.0 degrees. Warmest day was the 15th. Coldest day was the 26th. Highest barometer reading was 30.334 on the 12th. Lowest barometer was 29.415 on the 16th, giving a

range of .919 inches. Maximum relative humidity was 100 on the 19th. Minimum relative humidity was 36 on the 4th.

Rain fell on 12 days.
 Auroras were observed on 5 nights.
 Luna halo on one evening.
 Lunar corona on the 26th and 29th.
 Fog on one day.
 Rainbows were observed on two afternoons.
 Solar halos on two afternoons.
 Thundered on two days without lightning.