

ABSTRACT FOR THE MONTH OF JULY, 1893.

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

DAY.	THERMOMETER.				* BAROMETER.				† Mean pres- sure of vapour.	‡ Mean relative humidity.	Dew point.	WIND.		SKY CLOUDED 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 per hour.	Mean.	Max.	Min.					
SUNDAY..... 1	74.47	87.1	63.7	23.4	29.9805	30.047	29.920	.127	.5385	64.7	60.8	S.W.	8.3	6.2	10	0	67	.....	.....	.....	1
..... 2	.....	85.5	64.5	21.0	.....	.....	.....	.....	.....	.....	.....	S.	10.5	.....	.....	.....	83	.....	.....	.....	2 SUNDAY
..... 3	68.72	77.5	63.6	13.9	29.7745	29.800	29.759	-.041	.5653	81.3	62.3	S.W.	11.8	9.0	10	2	11	0.26	.....	0.26	3
..... 4	67.23	76.8	66.8	16.0	29.8403	29.872	29.813	-.059	.5100	76.8	59.3	W.	10.3	7.7	10	4	50	0.23	.....	0.23	4
..... 5	64.93	75.2	60.0	15.2	29.8018	29.867	29.735	-.132	.4908	80.3	58.5	S.W.	11.9	9.2	10	5	80	0.24	.....	0.24	5
..... 6	68.42	79.5	58.0	21.3	29.9270	29.995	29.827	-.163	.4507	66.3	56.0	S.W.	8.7	1.8	8	0	0	.....	.....	.....	6
..... 7	71.52	81.0	61.5	19.5	30.0008	30.063	29.918	-.145	.4838	63.3	57.8	S.W.	6.7	3.7	8	0	67	.....	.....	.....	7
..... 8	71.57	85.2	64.0	21.2	29.7163	29.905	29.546	-.359	.5762	75.3	62.7	S.E.	14.9	6.2	10	0	16	0.91	.....	0.91	8
SUNDAY..... 9	.....	89.8	54.0	15.8	.....	.....	.....	.....	.....	.....	.....	W.	12.9	.....	.....	.....	67	.....	.....	.....	9 SUNDAY
..... 10	63.68	72.5	55.1	17.4	29.9950	30.017	29.951	-.066	.3860	66.5	51.8	W.	13.7	6.5	10	3	67	.....	.....	.....	10
..... 11	67.20	77.0	56.5	20.5	30.0291	30.067	29.992	-.075	.4430	67.8	55.3	S.W.	21.5	2.2	10	0	85	.....	.....	.....	11
..... 12	60.00	76.5	58.8	17.7	29.9725	30.041	29.907	-.134	.4730	74.3	57.5	S.W.	17.1	5.0	10	0	98	.....	.....	.....	12
..... 13	64.73	75.1	57.8	17.3	29.8972	29.912	29.883	-.029	.4317	72.8	54.8	N.E.	4.8	7.3	10	0	62	0.04	.....	0.04	13
..... 14	69.23	79.0	57.1	21.9	29.8915	29.940	29.840	-.100	.4755	67.5	57.5	S.E.	1.7	2.0	5	0	91	.....	.....	.....	14
..... 15	71.73	80.0	63.5	16.5	29.7057	29.855	29.573	-.282	.6315	81.3	65.5	S.E.	11.6	8.0	10	0	07	0.18	.....	0.18	15
SUNDAY..... 16	.....	82.5	67.3	15.2	.....	.....	.....	.....	.....	.....	.....	S.W.	18.4	.....	.....	.....	86	.....	.....	.....	16 SUNDAY
..... 17	67.95	79.4	61.1	18.3	29.7682	29.828	29.619	-.209	.4952	74.2	58.7	N.	7.3	7.2	10	0	56	0.17	.....	0.17	17
..... 18	68.03	77.8	61.0	16.8	29.8982	29.925	29.869	-.056	.5075	77.5	59.5	S.W.	5.3	5.3	10	0	54	.....	.....	.....	18
..... 19	66.10	75.5	58.0	17.5	30.0460	30.087	29.986	-.101	.3880	61.8	52.0	N.W.	9.5	2.8	9	0	77	0.02	.....	0.02	19
..... 20	68.80	77.5	56.6	20.9	30.0428	30.136	29.993	-.233	.3857	55.3	51.7	S.W.	12.7	1.7	8	0	93	.....	.....	.....	20
..... 21	73.83	85.0	64.0	21.0	29.7812	29.884	29.655	-.229	.5540	66.5	61.7	S.W.	25.2	4.7	9	0	16	.....	.....	.....	21
..... 22	66.85	78.1	60.8	17.3	29.5687	29.638	29.508	-.130	.5380	80.5	60.5	S.W.	18.5	8.7	10	4	30	0.25	.....	0.25	22
SUNDAY..... 23	.....	67.3	53.5	13.8	.....	.....	.....	.....	.....	.....	.....	N.W.	16.7	.....	.....	.....	34	0.18	.....	0.18	23 SUNDAY
..... 24	61.12	70.1	52.0	18.1	29.9935	30.046	29.929	-.117	.3817	70.8	51.3	W.	16.1	6.2	10	0	35	.....	.....	.....	24
..... 25	59.97	62.8	57.0	5.8	29.9282	30.049	29.773	-.276	.4570	88.5	56.5	S.E.	14.9	8.3	10	3	04	0.10	.....	0.10	25
..... 26	68.35	80.5	58.0	22.5	29.5930	29.666	29.518	-.178	.6197	88.8	64.7	W.	12.0	8.0	10	4	55	1.82	.....	1.82	26
..... 27	62.77	70.5	56.2	14.3	29.8505	29.970	29.655	-.315	.3751	66.5	50.8	N.W.	22.0	5.2	10	0	79	0.04	.....	0.04	27
..... 28	67.67	77.5	59.8	17.7	30.0183	30.072	29.956	-.116	.4598	67.8	56.5	S.W.	16.7	6.8	10	0	58	Inap	.....	Inap	28
..... 29	66.43	74.2	62.0	12.2	29.8115	29.907	29.740	-.167	.5450	84.2	61.3	S.W.	13.8	8.3	10	4	28	0.05	.....	0.05	29
SUNDAY..... 30	.....	80.1	63.5	16.6	.....	.....	.....	.....	.....	.....	.....	S.W.	13.2	.....	.....	.....	96	.....	.....	.....	30 SUNDAY
..... 31	72.47	82.7	62.0	20.7	29.7905	29.873	29.711	-.162	.5372	67.8	61.0	S.W.	12.0	7.8	10	0	66	0.01	.....	0.01	31
..... Means	67.69	77.49	59.73	17.66	29.8624	.....	.....	-.154	.4884	72.6	57.9	S. 70° W.	12.73	6.07	.....	.....	58	4.59	.....	4.59	Sums
19 Years means for and including this month	68.83	77.28	60.73	16.55	29.8998	.....	.....	-.140	.4995	71.0	...	.....	.....	5.5	.....	.....	59.3	4.15	.....	4.15	{ 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	549	61	10	613	685	4500	2017	1051	
Duration in hrs .	68	21	6	63	65	292	137	73	19
Mean velocity...	8.1	2.9	1.7	9.7	10.5	15.4	14.7	14.4	

Greatest mileage in one hour was 33 on the 21st.
 Greatest velocity in gusts 36 miles per hour, on the 21st.
 Resultant mileage 6544.
 Resultant direction, S. 70° W.

Total mileage, 9,480.
 Average velocity, 12.73m. per hour.
 On the 26th between 4.5 hrs. and 6 hrs., 1.60 inches of rain fell.
 Rainbows were observed on the 4, 17.

* 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 87.1 on the 1st; and the greatest cold was 52.0 on the 24th, giving a range of temperature of 35.1 degrees. Warmest day was the 1st. Coldest day was the 25th High-

est barometer reading was 30.136 on the 20th; lowest barometer was 29.530 on the 22nd, giving a range of 0.606 inches. Maximum relative humidity was 99 on the 26th. Minimum relative humidity was 41 on the 13th.

Rain fell on 16 days.
 Auroras were observed on 3 nights.
 Thunderstorms on 7 days.