

# ABSTRACT FOR THE MONTH OF JULY, 1889.

Meteorological Observations, McGill College Observatory, Montreal, Canada, Height above sea level, 187 feet

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DAY.	THERMOMETER.				BAROMETER.				† Mean pressure of vapour.	‡ Mean relative humidity.	Dew point.	WIND.		SKY CLOUDY 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.					Per cent of possible sunshine.		
1	76.75	87.5	66.0	21.5	30.1672	30.200	30.124	.076	.6135	67.7	64.7	S.	9.0	2.0	5	0	89	.....	.....	.....	1		
2	75.42	82.3	68.2	14.1	30.1308	30.194	30.059	.135	.6422	73.8	66.2	S.	14.2	5.5	10	1	65	Inapp.	.....	.....	.....	2	
3	75.05	82.0	69.2	12.8	29.8837	30.045	29.747	.318	.7308	84.2	69.8	S.E.	12.3	8.5	10	4	40	0.10	.....	.....	.....	3	
4	70.07	77.0	59.3	17.7	29.7755	29.979	29.638	.341	.5918	79.7	63.2	S.W.	20.9	6.2	10	2	41	1.03	.....	.....	.....	4	
5	64.52	75.0	54.4	20.6	30.1103	30.146	30.060	.086	.3748	62.0	51.0	N.W.	10.8	0.8	5	0	100	.....	.....	.....	.....	5	
6	68.25	77.5	57.3	20.2	30.1762	30.247	30.111	.136	.4035	59.7	53.0	S.W.	8.6	2.5	10	0	89	.....	.....	.....	.....	6	
SUNDAY.....	74.8	82.0	63.1	11.7	.....	.....	.....	.....	.....	.....	.....	S.W.	22.1	.....	.....	.....	04	0.3	.....	.....	.....	7	
8	74.00	82.0	67.0	15.0	29.9125	29.926	29.899	.027	.6155	74.0	64.8	W.	8.6	9.5	10	3	31	0.02	.....	.....	.....	8	
9	62.72	71.6	58.9	12.7	29.9975	30.024	29.978	.046	.4968	87.0	58.7	N.E.	13.0	10.0	10	10	30	0.11	.....	.....	.....	9	
10	67.92	76.1	59.3	16.8	29.9673	30.001	29.933	.068	.5472	80.2	61.5	N.E.	10.9	6.8	10	1	34	.....	.....	.....	.....	10	
11	66.10	72.6	61.3	11.3	29.8870	29.957	29.856	.101	.5805	90.5	63.0	N.E.	7.9	10.0	10	10	25	0.52	.....	.....	.....	11	
12	65.00	72.5	58.8	13.7	29.9992	30.026	29.963	.063	.4365	80.8	58.8	N.E.	7.9	8.2	10	0	34	.....	.....	.....	.....	12	
13	67.65	78.0	59.3	18.7	29.8140	29.929	29.710	.219	.5793	84.7	62.5	S.E.	8.7	8.0	10	1	23	0.42	.....	.....	.....	13	
SUNDAY.....	71.0	80.0	58.3	12.7	.....	.....	.....	.....	.....	.....	.....	N.W.	10.7	.....	.....	.....	67	.....	.....	.....	.....	14	
15	61.65	69.9	53.4	16.5	29.8465	29.885	29.813	.072	.3683	67.0	50.3	N.	10.7	6.7	10	0	44	0.03	.....	.....	.....	15	
16	66.02	77.1	57.3	19.8	29.7987	29.840	29.746	.094	.4695	74.3	57.0	W.	19.0	7.2	10	3	48	0.36	.....	.....	.....	16	
17	64.67	72.5	59.0	13.5	29.8928	29.932	29.813	.119	.4430	73.0	55.7	W.	13.9	3.8	9	0	72	Inapp.	.....	.....	.....	17	
18	68.75	77.0	58.3	18.7	29.8763	29.940	29.791	.149	.4802	68.7	57.8	S.	11.4	2.2	10	0	98	.....	.....	.....	.....	18	
19	71.13	80.8	64.2	16.6	29.7223	29.785	29.644	.141	.5997	79.0	63.8	S.	9.3	10.0	10	9	18	0.23	.....	.....	.....	19	
20	68.63	74.9	64.5	10.4	29.7025	29.831	29.582	.249	.5625	80.8	62.3	N.	15.5	10.0	10	10	19	2.00	.....	.....	.....	20	
SUNDAY.....	80.0	80.0	61.5	18.5	.....	.....	.....	.....	.....	.....	.....	N.W.	11.2	.....	.....	.....	99	.....	.....	.....	.....	21	
22	71.25	80.9	61.2	19.7	29.8633	29.939	29.775	.164	.5285	69.3	60.2	S.W.	7.1	3.3	10	0	92	.....	.....	.....	.....	22	
23	65.48	74.9	58.5	16.4	29.7227	29.798	29.653	.145	.4788	76.2	57.7	S.W.	19.0	4.5	10	0	61	0.10	.....	.....	.....	23	
24	59.78	69.9	56.0	13.9	29.8777	29.953	29.822	.131	.3518	68.7	49.0	W.	14.7	0.7	10	0	36	0.04	.....	.....	.....	24	
25	61.98	70.0	52.3	17.7	30.0190	30.062	29.982	.080	.3402	61.5	48.0	W.	13.7	3.0	8	0	85	Inapp.	.....	.....	.....	25	
26	65.67	73.9	52.4	21.5	30.1002	30.144	30.064	.080	.3323	53.8	47.7	S.E.	6.2	2.0	7	0	100	.....	.....	.....	.....	26	
27	63.33	72.0	57.9	14.1	29.9635	30.038	29.876	.162	.4635	80.7	56.8	S.E.	12.0	8.8	10	3	02	0.78	.....	.....	.....	27	
SUNDAY.....	77.9	80.0	59.2	18.7	.....	.....	.....	.....	.....	.....	.....	S.E.	16.3	.....	.....	.....	66	0.28	.....	.....	.....	28	
29	71.68	79.6	66.2	13.4	29.8023	30.037	29.923	.134	.6388	82.3	65.7	S.	17.9	9.3	10	7	17	0.97	.....	.....	.....	29	
30	69.28	75.5	65.3	10.2	29.9570	30.138	30.064	.074	.6125	85.7	65.0	S.W.	13.2	8.0	10	1	27	0.14	.....	.....	.....	30	
31	72.57	81.0	65.3	15.7	30.1005	.....	.....	.....	.6135	77.8	64.7	S.W.	9.8	8.2	10	0	64	.....	.....	.....	.....	31	
..... Means	67.97	76.38	60.42	15.96	29.9286	.....	.....	.....	.131	.5165	74.9	59.2	.....	12.47	6.36	.....	.....	50.3	7.16	.....	.....	.....	Sums
15 yrs. means for & including this mo.	69.02	77.34	60.02	16.32	29.8815	.....	.....	.....	.1396	.5011	70.9	...	.....	5.42	...	...	...	159.2	4.25	.....	.....	.....	15 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.....	998	518	234	1126	1529	2481	1394	998	
Duration in hrs..	95	51	32	103	121	164	94	84	
Mean velocity ...	10.51	10.16	7.31	10.93	12.64	15.13	14.83	11.88	

Greatest mileage in one hour was 33 on the 4th and 20th.  
Resultant mileage, 3,170

Resultant direction, S 51° W.  
Total mileage, 9,279.

\*Barometer readings reduced to sea-level and temperature of 32° Fahr.  
meter was 29.582 on the 20th; giving a range of 0.665 inches. Maximum relative humidity was 97 on two days. Minimum relative humidity was 38 on the 26th.

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

Rain fell on 20 days.  
Hail fell on 1 day.  
Auroras were observed on 3 nights.  
Thunderstorms on 5 days.

The greatest heat was 87.5 on the 1st; the greatest cold was 52.3 on the 25th, giving a range of temperature of 35.2 degrees. Warmest day was the 1st. Coldest day was the 24th. Highest barometer reading was 30.247 on the 6th; lowest barometer reading was 29.582 on the 20th.

NOTE.—The rainfall is the greatest recorded in July, in 15 years; and is the greatest for any one month during that time, except the month of August, 1888 (rainfall 7.89) and October, 1885; (rainfall 7.17).