

ABSTRACT FOR THE MONTH OF SEPTEMBER, 1878.

OF TRI-HOURLY METEOROLOGICAL OBSERVATIONS TAKEN AT MCGILL COLLEGE OBSERVATORY, HEIGHT ABOVE SEA LEVEL, 187 FEET.

Day.	THERMOMETER.				BAROMETER.				+ Mean pressure of vapor	† Mean relative humidity.	WIND.		SKY CLOUDED IN TENTHS.			Rain and snow melted.	Day.
	Mean.	Max.	Min.	Range	Mean.	‡ Max.	§ Min.	Range			General direction.	Me'n velocity in m. p. hour.	Mean	Max	Min.		
Sunday 1	.....	74.0	63.0	11.0	.....	.....	.....	.....	.....	.....	S. W.	2.5	.....	.....	.....	0.67	1 Sunday
2	72.45	79.6	66.3	13.3	29.9045	29.931	29.872	.059	.6384	80.5	W.	2.1	4.5	9	0		2
3	69.27	75.0	63.0	12.0	29.9971	30.032	29.945	.087	.6028	84.5	E.	6.8	6.4	10	2		3
4	68.01	76.1	69.9	15.2	30.0290	30.063	30.006	.047	.5571	81.6	S.	6.8	9.9	10	9	Inapp.	4
5	68.84	74.7	61.9	12.8	29.9646	29.987	29.940	.047	.6549	78.9	S.	5.0	5.6	10	0		5
6	65.47	71.0	58.6	12.4	30.1097	30.245	29.981	.264	.4822	76.9	N. E.	7.4	6.0	10	0	0.01	6
7	60.85	70.9	50.2	20.7	30.3011	30.331	30.261	.070	.4160	76.4	E.	10.5	6.0	10	2		7
Sunday 8	.....	74.9	67.0	12.9	.....	.....	.....	.....	.....	.....	S.	9.2	.....	.....	.....		8 Sunday
9	68.29	77.0	61.5	15.5	30.1666	30.228	30.107	.121	.5240	76.6	S. W.	7.7	2.9	8	0		9
10	68.42	77.2	60.4	16.8	30.0209	30.080	29.962	.118	.4914	73.1	S. W.	12.2	2.2	6	0		10
11	65.10	68.1	61.8	6.3	30.1266	30.210	30.005	.205	.5445	87.9	N.	6.1	10.0	10	10	0.05	11
12	70.02	80.9	59.8	21.1	30.0297	30.155	29.925	.280	.6272	85.4	E.	6.8	9.0	10	4	0.03	12
13	73.02	81.1	60.0	21.1	29.7124	29.901	29.534	.367	.6886	84.2	S.	13.3	9.1	10	6	0.21	13
14	58.26	61.7	53.3	8.4	29.7375	29.824	29.689	.135	.3760	77.6	W.	20.0	9.6	10	7	0.02	14
Sunday 15	.....	63.3	49.3	14.0	.....	.....	.....	.....	.....	.....	W.	12.0	.....	.....	.....		15 Sunday
16	58.27	68.9	47.4	21.5	30.1734	30.258	30.077	.181	.3394	70.5	S. E.	8.2	0.0	0	0		16
17	63.54	72.5	55.5	17.0	29.9979	30.0	29.915	.143	.4687	79.4	S. E.	10.8	7.2	10	3	0.01	17
18	64.65	70.5	59.0	11.5	29.9735	30.067	29.845	.222	.4356	72.2	S. W.	10.5	4.0	10	0	0.26	18
19	65.20	71.1	55.0	16.1	30.0039	30.112	29.836	.274	.4362	73.6	S.	8.6	7.7	10	4		19
20	74.25	84.0	65.4	18.6	29.7356	29.833	29.621	.212	.5641	67.0	S. E.	13.5	4.7	10	1		20
21	60.36	71.0	53.4	17.6	29.8471	29.970	29.687	.288	.3555	66.6	N. E.	12.9	6.7	10	0		21
Sunday 22	.....	59.6	44.5	15.1	.....	.....	.....	.....	.....	.....	N. E.	9.1	.....	.....	.....		22 Sunday
23	51.55	62.8	42.4	20.4	30.4300	30.512	30.322	.190	.2411	64.7	W.	4.0	0.4	3	0		23
24	55.47	59.9	49.0	10.9	30.1479	30.300	30.042	.258	.2685	82.5	W.	11.8	7.1	10	0	0.14	24
25	53.74	60.1	48.0	12.1	30.1614	30.231	30.027	.204	.3007	73.2	.....	7.0	4.5	10	0		25
26	58.20	67.0	46.9	20.1	29.9274	30.186	29.778	.408	.3621	72.9	E.	16.9	5.0	10	0	0.10	26
27	46.37	53.2	40.6	12.6	30.3392	30.444	30.286	.208	.2067	65.9	E.	12.4	2.4	9	0		27
28	48.89	58.0	40.3	17.7	30.4296	30.521	30.320	.201	.1896	54.6	S.	5.6	0.7	3	0		28
Sunday 29	.....	62.0	42.7	20.6	.....	.....	.....	.....	.....	.....	S. W.	6.6	.....	.....	.....		29 Sunday
30	57.31	69.0	47.7	18.3	30.1384	30.200	30.057	.143	.3544	75.9	S.	5.8	4.2	9	0		30
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		31
Means.....	62.592	69.73	54.28	15.45	30.0662	.....	.....	.18108	.44545	75.30	.....	9.07	5.43	.....	.....		Means.

* Barometer readings reduced to sea level, and to temperature of 32° Fahrenheit, † Pressure of vapor in inches of mercury
 ‡ Humidity relative, saturation 100. § Observed.
 Mean temperature of month, 62.592. Mean of max. and min. temperatures, 62.0. Greatest heat was 8.10 on the 20th; greatest cold was 40.3 on the 28th,—giving a range of temperature for the month of 43.7 degrees. Greatest range of the thermometer in one day was 21.5 on the 16th; least range was 6.3 degrees on the 11th. Mean range for the month was 15.4 degrees. Mean height of the barometer was 30.89511. Highest reading was 30.521 on the 11th; lowest reading was 29.534 on the 13th; giving a range of 0.987 in. Mean elastic force of vapor in the atmosphere was equal to .44515 in. of mercury. Mean relative humidity was 75.3. Maximum relative humidity was 97 on the 12th. Minimum relative humidity was 44 on the 23rd. Mean velocity of the wind was 9.1 miles per hour; greatest mileage in one hour was 27 on the 14th. Mean direction of the wind, S. Mean of sky clouded 54. per cent.
 Rain fell on 11 days. Total rain fall, 1.59 inches.