

ABSTRACT FOR THE MONTH OF OCTOBER, 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.	Mean velocity in m. p. hour.	Mean	Max	Min.		
1	63.07	73.8	53.5	20.3	29.9730	30.056	29.874	.182	.4236	74.2	S. E.	10.2	15	7	0		1
2	63.84	74.2	56.7	17.5	29.7924	29.846	29.709	.137	.4759	81.0	N. E.	12.8	4.5	10	0	0.13	2
3	59.07	68.0	53.3	14.7	29.8719	29.910	29.841	.069	.3825	76.2	W.	12.1	3.9	10	0	0.42	3
4	55.30	64.6	50.6	14.0	29.9232	29.960	29.883	.077	.3269	75.9	W.	10.3	2.9	9	0	Inapp.	4
5	51.86	58.5	45.2	13.3	30.0290	30.073	29.989	.084	.2700	70.9	S. W.	7.3	3.9	10	0		5
Sunday 6	.....	53.6	46.3	7.3	.....	.....	.....	.....	.....	.....	S.	5.7	.....	.....	.....	0.17	6 Sunday
7	50.54	57.3	42.9	14.4	30.1519	30.245	30.024	.221	.2717	75.4	S.	8.4	4.7	10	1		7
8	53.75	60.8	49.2	11.6	30.0154	30.055	29.966	.089	.2754	67.2	S. W.	11.8	7.9	10	3	Inapp.	8
9	54.72	64.0	48.6	15.4	29.6057	29.985	29.353	.632	.3146	72.2	.....	21.1	8.9	10	1	0.75	9
10	49.70	54.2	45.2	9.0	29.8617	30.055	29.601	.454	.2407	67.5	W.	20.1	8.7	10	3		10
11	50.54	58.7	43.1	15.6	30.0559	30.110	30.009	.101	.2652	73.0	S. E.	6.1	4.6	10	0		11
12	49.37	53.0	46.5	6.5	30.0150	30.024	29.991	.033	.2767	78.5	W.	6.5	9.6	10	5	Inapp.	12
Sunday 13	.....	60.3	41.8	18.5	.....	.....	.....	.....	.....	.....	N. W.	10.7	.....	.....	.....		13 Sunday
14	56.26	67.6	45.7	21.9	30.0415	30.115	29.965	.150	.3006	66.9	S. W.	9.5	2.1	9	0		14
15	59.27	62.9	56.2	6.5	29.9174	30.005	29.854	.151	.4324	85.9	W.	11.3	8.0	10	3	0.10	15
16	57.47	64.3	51.9	12.4	29.9390	30.013	29.877	.136	.4336	91.5	S.	5.5	8.4	10	0	0.01	16
17	64.49	74.2	50.0	24.2	29.7704	29.843	29.700	.143	.4427	74.2	S.	14.0	3.9	10	0		17
18	49.01	64.0	42.5	21.5	29.8094	29.857	29.747	.110	.3121	89.4	E.	11.4	10.0	10	10	0.94	18
19	41.36	44.0	36.8	7.2	29.5181	29.631	29.441	.190	.2436	93.2	N. W.	16.5	10.0	10	10	1.51	19
Sunday 20	.....	45.6	34.8	10.8	.....	.....	.....	.....	.....	.....	S. W.	21.5	.....	.....	.....	0.03	20 Sunday
21	52.50	64.0	43.4	20.6	30.0502	30.103	29.928	.175	.2975	75.2	S. E.	10.8	0.9	3	0		21
22	52.64	66.7	41.1	25.6	30.0395	30.124	29.953	.171	.3201	81.1	N. E.	7.6	1.7	10	0		22
23	50.94	56.4	47.1	9.3	29.7025	29.934	29.427	.507	.3009	80.6	N.	13.9	7.9	10	0	0.12	23
24	47.87	56.6	42.0	13.6	29.9741	30.284	29.558	.726	.2375	71.2	E.	18.3	4.6	10	0	0.16	24
25	43.29	51.8	37.2	14.6	30.3554	30.410	30.309	.101	.1876	66.7	S. W.	9.0	0.6	5	0		25
26	43.72	48.6	37.0	11.6	30.2276	30.300	30.085	.215	.2619	91.0	.....	6.7	7.0	10	0	0.02	26
Sunday 27	.....	53.1	36.3	16.8	.....	.....	.....	.....	.....	.....	S. W.	14.0	.....	.....	.....	0.42	27 Sunday
28	35.45	43.4	31.0	12.4	30.0890	30.185	29.939	.246	.1501	72.1	S. W.	7.0	6.2	10	0	0.01	28
29	36.11	47.0	27.8	19.2	30.1557	30.190	30.101	.089	.1620	76.2	N. E.	6.3	7.6	10	2		29
30	39.89	42.8	35.3	7.5	29.8602	30.057	29.698	.359	.2192	88.1	E.	11.2	7.5	10	0	0.55	30
31	42.49	49.7	37.8	11.9	29.6074	29.669	29.554	.115	.2301	84.7	.....	9.7	9.5	10	7	0.06	31
Means.....	50.908	58.15	43.77	14.38	29.9889			.2097	.29834	77.78		11.20	5.81				Means.

* Barometer readings reduced to sea-level and temperature of 32o Fahr. † Pressure of vapor in inches mercury. ‡ Humidity relative, saturation 100. § Observed.

Mean temperature of month, 50,908. Mean of max. and min. temperatures, 50,93. Greatest heat was 74.0 on the 2nd; greatest cold was 27.8 on the 29th,—giving a range of temperature for the month of 46.4 degrees. Greatest range of the thermometer in one day was 25.6 on the 22nd; least range was 6.5 degrees on the 12th and 15th. Mean range for the month was 14.4 degrees. Mean height of the barometer was 29.9389. Highest reading was 30.410 on the 25th; lowest reading was 29.441 on the 19th; giving a range of 0.969 in. Mean elastic force of vapor in the atmosphere was equal to .29834 in. of mercury. Mean relative humidity was 77.8. Maximum relative humidity was 99 on the 16th. Minimum relative humidity was 46 on the 8th. Mean velocity of the wind was 11.2 miles per hour; greatest mileage in one hour was 39 on the 9th. Greatest velocity in gusts was equal to 45 miles per hour. Mean direction of the wind, S. S. W. Mean of sky clouded 58 per cent.

Rain fell on 19 days. Snow fell on 2 days. Total rainfall was 5.39 inches. Total snow fall was 0.1 in. Total precipitat on in inches of water 5.40 inches.