

ABSTRACT FOR THE MONTH OF DECEMBER, 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.		
Sunday 1	.....	32.0	23.2	8.8	.....	.....	.....	.....	.....	.....	N.	4.2	.....	.....	.....	.....	1 Sunday
2	33.15	39.4	23.3	16.1	29.8045	30.263	29.446	.817	.1711	88.9	S. W.	9.2	9.7	10	4	0.57	2
3	36.27	39.7	31.1	8.6	29.4641	29.573	29.387	.185	.1912	92.1	W.	20.2	10.0	10	10	0.08	3
4	29.19	33.2	25.3	7.9	29.5805	29.615	29.544	.071	.1434	88.3	N.	10.3	10.0	10	10	0.04	4
5	25.74	34.0	22.1	11.9	29.6402	29.692	29.610	.082	.1115	80.3	N. W.	12.6	10.0	10	10	Inapp.	5
6	19.26	23.5	15.3	8.2	29.7835	29.916	29.690	.225	.0769	73.6	W.	17.0	9.9	10	9	Inapp.	6
7	19.97	23.0	17.1	5.9	30.0429	30.138	29.957	.182	.0814	78.2	N. W.	8.4	9.6	10	4	0.06	7
Sunday 8	.....	26.0	13.7	12.3	.....	.....	.....	.....	.....	.....	W.	8.5	.....	.....	.....	.....	8 Sunday
9	22.41	26.9	15.6	11.3	30.1155	30.336	29.856	.480	.1036	85.0	E.	8.6	9.2	10	4	0.07	9
10	33.70	39.1	25.7	13.4	29.3665	29.780	28.868	.912	.1870	95.7	N. E.	16.5	10.0	10	10	2.20	10
11	32.91	47.3	22.6	24.7	29.2601	29.773	28.844	.929	.1749	87.2	.....	21.3	10.0	10	10	0.02	11
12	22.09	26.0	19.5	6.5	30.0561	30.210	29.865	.345	.0880	74.1	.....	15.8	6.5	10	2	Inapp.	12
13	22.34	26.2	18.6	7.6	30.2694	30.301	30.230	.071	.0880	73.5	N. W.	13.2	7.7	10	0	.....	13
14	19.61	23.0	15.6	7.4	30.2154	30.309	30.023	.285	.0789	74.7	N. E.	8.3	9.9	10	9	0.01	14
Sunday 15	.....	24.9	7.7	17.2	.....	.....	.....	.....	.....	.....	N. W.	12.7	.....	.....	.....	0.30	15 Sunday
16	12.42	16.1	9.2	6.9	30.0192	30.128	29.916	.212	.0606	78.6	W.	14.1	7.9	10	3	Inapp.	16
17	19.77	27.0	12.1	14.9	30.0752	30.135	29.987	.148	.0829	79.0	W.	13.7	8.9	10	4	Inapp.	17
18	17.76	27.8	12.3	15.5	29.9736	30.036	29.952	.084	.0720	73.7	W.	17.6	4.7	10	1	.....	18
19	10.49	16.0	5.7	10.3	30.2410	30.286	30.089	.197	.0451	65.1	W.	19.5	0.6	2	0	.....	19
20	20.64	25.8	9.4	16.4	30.2400	30.283	30.205	.078	.0881	79.1	W.	13.8	9.7	10	8	Inapp.	20
21	22.70	25.6	18.7	6.9	29.9662	30.207	29.428	.779	.1039	85.5	S.	11.1	10.0	10	10	1.24	21
Sunday 22	.....	26.0	12.7	13.3	.....	.....	.....	.....	.....	.....	.....	21.4	.....	.....	.....	0.67	22 Sunday
23	14.57	22.1	9.5	12.6	29.6170	29.654	29.552	.102	.0631	75.2	S. W.	18.1	4.0	10	0	Inapp.	23
24	13.35	16.2	8.6	7.6	29.5215	29.617	29.453	.164	.0651	81.4	S. W.	18.7	8.7	10	4	0.34	24
X'mas 25	.....	20.3	7.4	12.9	.....	.....	.....	.....	.....	.....	W.	20.0	.....	.....	.....	Inapp.	25 X'mas
26	22.59	27.9	14.5	13.4	29.5685	29.733	29.461	.272	.0984	78.9	W.	21.4	6.4	10	0	0.12	26
27	16.15	20.8	9.5	12.3	29.6864	29.767	29.632	.135	.0761	82.9	N. W.	6.6	8.7	10	0	Inapp.	27
28	12.66	18.8	5.7	13.2	30.0137	30.157	29.839	.320	.0560	73.6	W.	12.9	7.1	10	0	0.01	28
Sunday 29	.....	17.5	-1.2	18.7	.....	.....	.....	.....	.....	.....	S. W.	8.3	.....	.....	.....	0.09	29 Sunday
30	17.27	25.3	9.7	15.6	30.0106	30.136	29.934	.202	.0826	84.0	S. W.	12.8	5.6	10	0	0.17	30
-	18.72	22.3	10.6	11.7	30.1795	30.228	30.123	.105	.0809	78.4	W.	8.7	8.7	10	0	Inapp.	31
Means.....	21.350	26.44	14.54	11.90	.....	.....	.....	.2953	.09889	80.29	.....	13.73	8.14	.....	.....	.....	.....

* Barometer readings reduced to sea-level and temperature of 32o Fahr. † Pressure of vapor in inches mercury. ‡ Humidity relative, saturation being 100. § Observed.
 Mean temperature of month, 21.35. Mean of max. and min. temperatures, 20.49. Greatest heat was 47.3 on the 11th; greatest cold was 1.2 below zero on the 29th,—giving a range of temperature for the month of 48.5 degrees. Greatest range of the thermometer in one day was 24.7 on the 11th; least range was 5.9 degrees on the 7th. Mean range for the month was 11.9 degrees. Mean height of the barometer was 29.8684. Highest reading was 30.536 on the 1st; lowest reading was 28.844 on the 11th; giving a range of 1.691 in. Mean elastic force of vapor in the atmosphere was equal to .09889 in. of mercury. Mean relative humidity was 80.28. Maximum relative humidity was 100 on the 10th. Minimum relative humidity was 49 on the 19th. Mean velocity of the wind was 13.73 miles per hour; greatest mileage in one hour was 34 on the 11th. Greatest velocity in gusts was at the rate of 38 miles per hour. Mean direction of the wind, W. N. W. Mean of sky clouded, 81 per cent.
 Rain fell on 4 days. Snow fell on 24 days. Rain or snow fell on 26 days. Total rainfall was 2.70 inches. Total snow fall was 32.8 in. Total precipitation in inches of water 5.91.