

ABSTRACT FOR THE MONTH OF OCTOBER, 1897.

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

DAY	THERMOMETER.				BAROMETER.				†Mean pressure of vapor.	‡Mean relative humidity.	Dew Point.	WIND.		SKY CLOUDS IN TENTHS.			Per cent 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	59.22	65.8	48.7	17.1	30.1635	30.411	29.982	.439	30.88	60.3	45.3	N.	21.04	1.7	10	0	77	....	....	....	1
	2	47.17	54.8	39.1	15.7	30.5890	30.621	30.529	.092	20.02	62.2	34.5	N	14.46	0.0	0	0	97	....	....	....	2
	3	.....	62.0	35.0	27.0	.....	.....	.....	.....	.....	.....	.....	S.W.	12.63	...	...	...	87	....	....	....	3.....SUNDAY
	4	54.43	66.3	41.8	24.5	30.3168	30.441	30.193	.248	27.17	64.2	42.2	S.W.	18.96	0.3	1	0	92	....	....	....	4
	5	56.30	69.4	43.3	26.1	29.9418	30.130	29.756	.374	27.50	60.3	42.2	S.W.	15.33	1.0	3	0	93	....	....	....	5
	6	52.63	64.6	46.3	18.3	29.7345	29.876	29.631	.245	31.82	79.5	46.2	S.W.	17.67	7.0	10	0	16	0.05	....	....	6
	7	42.67	47.2	38.3	8.9	30.0025	30.120	29.891	.249	20.10	73.2	34.7	N.W.	8.58	8.8	10	5	0	0.00	....	....	7
	8	42.83	48.0	35.0	13.0	29.9932	30.143	29.763	.380	20.47	73.0	34.8	S.W.	8.23	8.2	10	0	36	0.02	....	....	8
	9	41.87	53.3	31.5	21.8	30.0400	30.273	29.795	.568	17.77	64.2	30.5	W.	21.17	2.2	10	0	94	0.00	....	....	9
SUNDAY.....	10	.....	39.8	26.0	13.8	.....	.....	.....	.....	.....	.....	.....	N.W.	7.21	....	....	....	63	....	....	....	10.....SUNDAY
	11	52.22	64.7	39.4	34.3	29.9177	30.069	29.764	.395	32.60	75.8	44.7	S.W.	15.79	9.0	10	8	19	....	....	....	11
	12	61.33	67.0	52.3	14.7	29.7600	29.993	29.642	.351	46.78	84.3	56.8	S.W.	24.75	7.0	10	0	0	0.26	0.26	12
	13	51.12	58.7	43.9	14.8	30.3792	30.454	30.116	.338	25.45	68.5	40.8	S.W.	15.17	0.2	1	0	97	....	....	....	13
	14	53.73	62.2	42.4	19.8	30.3072	30.500	30.106	.394	29.62	71.7	44.7	S.	13.75	4.8	10	0	52	....	....	....	14
	15	68.58	77.8	44.0	33.8	29.9938	30.071	29.927	.144	51.85	73.8	59.7	S.W.	18.64	3.5	10	0	63	....	....	....	15
	16	62.75	71.8	45.8	26.0	29.7802	29.897	29.632	.265	49.47	80.8	56.7	S.W.	25.25	7.0	10	3	15	0.13	0.13	16
SUNDAY.....	17	44.5	37.4	7.1	N.W	20.67	82	0.00	0.00	17.....SUNDAY
	18	44.83	54.2	35.0	19.2	30.2990	30.442	30.191	.251	18.53	63.2	32.2	S.	22.88	5.5	10	0	41	....	....	....	18
	19	49.27	55.2	42.8	12.4	30.1112	30.160	30.053	.107	24.63	65.0	39.5	S.W.	14.79	4.8	10	0	58	....	....	....	19
	20	42.15	52.2	33.5	18.7	30.1223	30.203	30.063	.140	17.83	66.5	31.7	N.	17.79	0.8	3	0	94	....	....	....	20
	21	44.00	53.8	35.5	18.3	30.0555	30.086	30.012	.074	18.77	64.2	32.5	N.	13.75	6.8	10	0	26	....	....	....	21
	22	43.38	51.4	36.0	15.4	30.1872	30.270	30.100	.170	19.82	70.2	34.2	N.	8.33	4.3	10	0	37	....	....	....	22
	23	44.83	54.8	34.0	20.8	30.3777	30.383	30.287	.096	23.35	78.5	38.0	S.	8.33	1.7	10	0	71	....	....	....	23
SUNDAY.....	24	.....	56.2	40.0	16.2	.....	.....	.....	.....	.....	.....	.....	S.W.	12.63	...	...	...	68	....	....	....	24.....SUNDAY
	25	49.75	58.4	41.3	17.1	30.0968	30.133	30.060	.073	32.35	89.5	46.7	N.	11.58	0.8	5	0	86	....	....	....	25
	26	18.95	58.4	41.0	17.4	30.1400	30.171	30.110	.061	27.40	79.3	42.7	N.	6.67	0.0	0	0	88	....	....	....	26
	27	49.92	61.2	39.7	21.5	30.0998	30.187	29.972	.215	25.78	80.3	44.0	S.	10.33	1.3	8	0	68	....	....	....	27
	28	50.62	60.5	44.4	16.1	29.6975	29.924	29.525	.399	28.82	76.8	43.5	S.E	16.29	5.3	10	0	38	0.16	0.16	28
	29	34.70	44.5	31.0	13.5	29.7215	29.847	29.612	.235	15.93	67.3	33.5	N.W.	16.58	2.5	8	0	90	0.03	0.03	29
	30	30.92	34.8	26.6	8.2	30.0050	30.134	29.884	.250	22.70	73.3	33.5	S.W.	8.04	4.5	10	0	0	....	....	....	30
SUNDAY.....	31	.....	41.7	29.6	13.1	.....	.....	.....	.....	.....	.....	.....	E.	8.71	...	...	...	6	....	....	....	31.....SUNDAY
Means.....		49.39	56.65	38.44	18.21	30.0666	30.1899	29.9445	.2474	26.90	71.77	40.42	S. 54° W	14.71	3.83	7.7	0.8	57.3	0.65	0.65Suas.
23 Years means for and including this month.....		45.43	52.45	38.55	13.93	29.9985215	24.38	76.4	S 13.55	6.33	74.34	2.96	3.08	{ 23 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.....	1846	429	103	438	1536	4991	772	829	
Duration in hrs..	153	30	12	36	101	291	50	71	
Mean velocity....	12.07	14.30	8.58	12.17	15.21	17.15	15.44	11.56	

Greatest mileage in one hour was 38, on the 16th.

Greatest velocity in gusts 42 miles per hour on the 16th.

Resultant mileage, 4495.

Resultant direction, S. 54° W.

Total mileage, 10,944.

* Barometer readings reduced to sea-level and temperature 32° Fahrenheit.

† Observed.

‡ Pressure of vapour in inches of mercury.

§ Humidity relative, saturation being 100.

¶ 16 years only. * 11 years only.

The greatest heat was 77° on the 15th; the greatest cold was 26° on the 10th, giving a range of temperature of 51.8 degrees.

Warmest day was the 15th. Coldest day was the 30th. Highest barometer reading was 30.644 on the 3rd. Lowest barometer was 29.525 on the 28th giving a range of 1.119 inches. Maximum relative

humidity was 98 on the 16th. Minimum relative humidity was 39 on the 18th.

Rain fell on 9 days.

Aurora was observed on one night.

Lunar Coronis on the 4th, 5th, 9th, 10th, 12th, and 13th.

Fog on 5 days.