

Synopsis of temperature, cloud and precipitation for Aug. 1872, compiled at the Toronto Observatory, from observations in several Provinces of the Dominion of Canada :

PROVINCE.	ONTARIO.		QUEBEC.		NOVA SCOTIA.	NEW BRUNSWICK.		MANITOBA.
STATION.	Toronto.	London.	Montreal.	Quebec.	Halifax.	St. John.	Fredericton.	Winnipeg.
Hours from which means are derived.	6, 8 A. M. 2, 4, 10, 12 P. M.	8 A. M. 2, 9 P. M.	7 A. M. 2, 9 P. M.	Maximum and Minimum.	3, 6, 9, noon. 3, 6, 9 midnight	6 A. M. 2, 10 P. M.	7 A. M. 2 & 9 P. M.	7 A. M. 2 & 9 P. M.
	Magnetic Observatory		Dr. Smallwood.	Capt. Ashe, RN Lt. Murray, RA	F. Allison.	G. Murdoch		
Mean Temperature uncorrected for diurnal variation .....	69.48	67.00	72.65	67.10	64.12	60.17	65.40	66.12
Warmest day.....	22	21	9	10	9	23	9	20
Temperature.....	78.63	79.25	81.70	78.10	73.32	67.00	78.70	80.25
Coldest day.....	30	30	31	31	8	8.30	30	17
Temperature.....	56.08	54.70	56.70	55.50	58.95	55.70	54.53	57.18
Mean of daily Maxima.....	78.57	80.28	80.42	76.60	74.78	66.71	73.80	81.88
Mean of daily Minima.....	61.22	55.70	64.44	57.60	56.46	54.94	56.90	52.66
Highest Temperature.....	91	92.0	94.0	87.0	93.1	80.00	89.0	93.5
Date.....	22	12	9	10	2	23	9	24
Lowest Temperature.....	51.0	46.0	51.0	49.0	47.9	48.0	45.0	43.3
Date.....	30	31	31	29	2	30	30	29
Percentage of Cloud.....	56	47	31	50	66	71	57	31
Depth of Rain in inches ...	2.405	2.551	3.320	7.330	6.824	6.755	3.820	1.850
Number of days without rain .....	12	18	15	17	16	19	15	25
Number of days in which rain fell.....	19	13	16	14	15	12	16	6
Depth of snow in inches....	.....	.....	.....	.....	.....	.....	.....	.....
Number of days in which snow fell.....	.....	.....	.....	.....	.....	.....	.....	.....
Total depth of rain and melted snow .....	.....	.....	.....	.....	.....	.....	.....	.....

METEOROLOGICAL OBSERVATIONS.

—Observations taken at Halifax, N. S. during the month of August, 1872, Lat. 44° 39' north ; Long. 63° 36' west ; height above the Sea 175 feet, by Sergt. Thurlin, A. H. C. Halifax.

Barometer, highest reading on the 21st.....	30.176 inches.
“ lowest “ “ 31st.....	29.495
“ range of pressure .....	.681
“ mean for month (reduced to 32°).....	29.830
Thermometer, highest in shade on the 9th.....	93.0 degrees.
“ lowest “ “ 2nd.....	43.8
“ range in month.....	49.2
“ mean of all highest .....	76.7
“ mean of all lowest.....	53.7
“ mean daily range .....	23.0
“ mean for month.....	65.2
“ highest reading in sun's rays.....	135.2
“ lowest on grass .....	36.8
Hygrometer, mean detection of dry bulb.....	68.2
“ mean of wet bulb.....	63.6
“ mean dew point.....	60.0
“ elastic force of vapour.....	518
“ weight of vapour in a cubic foot of air....	5.7 grains.
“ weight required to saturate do.....	1.8
“ the figure of humidity (Sat. 100).....	75
“ average weight of a cubic foot of air.....	521.7 grains.
Wind, mean direction of North.....	8.50 days.
“ “ East.....	2.00
“ “ South.....	9.75
“ “ West.....	10.75
“ daily force.....	2.0
“ daily horizontal movement.....	233.0 miles.
Cloud, mean amount of (0-10).....	7.1
Ozone, mean amount of (0-10).....	2.4
Rain, number of days it fell.....	10
Aount of rain collected on ground .....	7.36 inches.
Fog, number of days.....	7

JOHN THURLING,  
Sergt. A. H. C.,  
Halifax.

—Observations taken at Halifax, N. S. during the month of September, 1872, Lat. 44° 39' north ; Long. 63° 36' west ; height above the level of the Sea. 175 feet ; by Sergt. Thurlin, A. H. C.

Barometer, highest reading on the 24th .....	30.340 inches.
“ lowest “ “ 20th .....	29.429
“ range of pressure .....	.911
“ mean for month reduced to 32° 0'.....	29.818
Thermometer, highest in shade on the 8th.....	84.1 degrees.
“ lowest “ “ 11th.....	38.7
“ range in month.....	45.4
“ mean of all highest .....	70.2
“ mean of all lowest.....	48.3
“ mean daily range .....	21.9
“ mean for month.....	59.2
“ highest reading in sun's rays.....	129.8
“ lowest reading on grass .....	28.0
Hygrometer, mean of dry bulb.....	62.4
“ mean of wet bulb.....	58.4
“ mean dew point.....	55.0
“ elastic force of vapour.....	433
“ weight of vapour in a cubic foot of air... ..	4.9 grains.
“ weight required to saturate do .....	1.3
“ the figure of humidity.....	77
“ average weight of a cubic foot of air.....	528.1 grains.
Wind, mean direction of North.....	8.25 days.
“ “ East.....	0.00
“ “ South.....	3.75
“ “ West.....	18.00
“ daily by horizontal movement.....	218.7 miles.
“ mean daily force.....	2.2
Cloud, mean amount of (0-10) .....	6.6
Ozone, mean amount of (0-10).....	3.2
Rain, number of days it fell.....	9
Amount collected on ground .....	1.44 inches.
Fog, number of days.....	4

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