

University of Waterloo Weather Station Summary - December 2007

Average temperature in December, with above average precipitation

Not much to say about the temperature in December, it was pretty close to average for most of the month. In fact it was within 5 degrees of the average temperature during 24 of the 31 days of the month.

Overall it worked out to be about 0.3 °C below average, but this is still within the range to call it an average month for temperature.

At 86.7 mm we were well above the average of 71.1 mm for the month making it the only time in 2007 there was an above average month of precipitation (the last time it happened was in December of 2006).

However, whereas the typical mix of rain to snow is about 50/50, it was closer to a 25/75 mix this month (ie. more snow than average, I don't think this will be a surprise to anyone who is in charge of shovelling a sidewalk or driveway). Most of the snow came during the two big storms on the 2nd and the 16th.

Breaking it down even more, we got about 56.5 cm of snowfall compared to an average of 38.5 cm and around 24 mm of rain compared to an average of 40 mm. Note that these are our best estimates of rainfall and snowfall as it is difficult to distinguish between rain and snow when the temperature is near freezing.

Environment Canada prediction of temperature for the month: Below Average
Actual Temperature: Average

Summary for December 2007:

Maximum Temperature 7.0 °C

Minimum Temperature -16.1 °C

Average Daily High Temperature -0.6 °C (Long term average -0.4 °C)

Average Daily Low Temperature -7.7 °C (Long term average -7.5 °C)

Total Precipitation 86.7 mm (Long term average 71.1 mm)

(Long term averages based on 1971-2000 data for the Waterloo Wellington Airport)