

University of Waterloo Weather Station Summary - October 2007

The warmest October in 60 years

October was a whopping 5 degrees warmer than average, making it by far the warmest October we have seen at the University of Waterloo weather station. We have to go back to 1947 at the Kitchener Environment Canada station to find a warmer October.

The first part of the month seemed more like mid-summer rather than mid-fall with temperatures approaching 30 °C, we then reset back to more typical temperatures before again flirting with the mid-20s later on in the month. Although the coldest parts of the month were still average I think they felt a lot colder after days that were 15 degrees higher than average.

The high temperature of the month of 30.0 °C on the 8th, this was the highest October temperature we have ever recorded in the nine year history of the UW weather station. The only higher October temperature I could find was back in 1946 at the Kitchener Environment Canada station.

The first frost date of the season was on the 28th making it the latest first frost date at the UW weather station (the Kitchener station had its latest first frost date of Nov 5 in 1970).

It was another below average month for precipitation with only 47.6 mm coming down compared to an average of 67.1 for October. There were only two days with a lot of precipitation, those being the 6th when we saw 21.0 mm and the 23rd when there was 11.4 mm.

We are now almost 250 mm below the average precipitation for this time of year (501.5 mm compared to the average of 748.3 mm). We would now need about 3 times the average amount of precipitation for the last two months of the year in order to get back up the average by year's end and I really don't think that is going to happen.

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

Summary for October 2007:

Maximum Temperature 30.0 °C

Minimum Temperature -2.1 °C

Average Daily High Temperature 17.8 °C (Long term average 13.2 °C)

Average Daily Low Temperature 8.4 °C (Long term average 2.9 °C)

Total Precipitation 47.6 mm (Long term average 67.1 mm)

(Long term averages based on 1970-2000 data for the Waterloo Wellington Airport)