

# CWSF 2009 - Winnipeg, Manitoba



## Hazy Days: Measuring Atmospheric Haze Levels

**Division:** Engineering & Computing Sciences / Environmental Innovation

**Category:** Junior

**Region:**

**City:** ,

**School:**

**Abstract:** This project measured atmospheric haze levels using the Aerosol Optical Thickness of the atmosphere. Measurements were taken with a self-constructed Sun Photometer. Haze levels were measured over a thirty-day-period, once every hour at the same location in Calgary. The findings of this experiment indicate that atmospheric haze levels increase in the morning and evening, coinciding with commuter traffic, demonstrating a cause and effect relationship.

Awards	Value
Honourable Mention - Earth & Environmental Science - Junior	\$100
Sponsor: Petro-Canada	
Total	\$100