

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 |