

## **The Dr. Neil Trivett Global Atmosphere Watch (GAW) Observatory at Alert, Nunavut: Program Highlights from a Decade of Collaborative Atmospheric Research**

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The Dr. Neil Trivett Global Atmosphere Watch Observatory is located at 82°28'N, 62°30'W on the North-Eastern tip of Ellesmere Island, Canada. The observatory opened in 1986, as Canada's first research station for the continuous monitoring of background concentrations of trace gases and aerosols. The Alert Observatory is the most northern station in the GAW program of the World Meteorological Organization and its' isolated location is ideally situated for the monitoring of global atmospheric pollutants. It has expanded into an international collaboration with over a dozen science partners and is designated as one of three global greenhouse gas inter-comparison sites. With over two and a half decades of measurement history, Alert has compiled many unique and valuable data sets used by Canadian and international researchers in order to further studies of the complex physical and chemical changes occurring in the atmosphere. This poster will highlight some of the more recent collaborative research efforts involving our international partners.



**Figure 1.** Dr. Neil Trivett Global Atmosphere Watch Observatory at Alert, Nunavut.