



Ground-Based and Airborne Instruments

Background

- [Introduction to Lidar](#)

Personnel

- [Code 916 Lidar Personnel](#)

Instruments

[AROTEL](#)

The Airborne Raman Ozone, Temperature, and Aerosol Lidar (AROTEL) is an airborne lidar system for measuring vertical profiles of stratospheric ozone, aerosol particles and temperature.

[STROZ-LITE](#)

The Stratospheric Ozone Lidar Trailer Experiment (STROZ-LITE) is a mobile lidar system for measuring vertical profiles of atmospheric ozone, aerosol particles, and temperature.

[AT Lidar](#)

The Goddard Aerosol and Temperature Lidar (AT Lidar) was developed to perform multiwavelength studies of cirrus clouds and aerosols.

[Solar Sextant](#)

The solar Sextant experiment makes highly precise measurements of the diameter of the sun.

Past Instruments

[ARL](#)

The Airborne Raman Lidar (ARL) flies aboard the [NASA DC-8](#) research aircraft. It measures vertical profiles of temperature, methane, and water vapor from the aircraft altitude up to approximately 22 km.



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