

[Internal Areas](#)[Colleagues' Areas](#)[Public Areas](#)

# 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.



[Back to the Code 916 home page](#)

---

Last Updated: 11/3/2000

Web Curator: Grant Sumnicht (Raytheon ITSS) (sumnicht@code916.gsfc.nasa.gov)

Responsible NASA organization/official: Dr. P. K. Bhartia, Atmospheric Chemistry and Dynamics  
Branch/Head