



Department of Atmospheric Science



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Atmospheric Chemistry

Studies focus on the atmospheric processing of various chemicals and their impacts on pollutant deposition, visibility, and human health. Research includes aerosol particles, trace gases, air quality issues including visibility, and aerosol-cloud-climate interactions using both experimental and modeling components. Aerosol, cloud, and fog sampling also involves the design and use of instrumentation. The Atmospheric Chemistry building houses a comprehensive laboratory for chemical analysis of collected samples and for characterization of instrument performance.



Faculty

- [Jeff Collett](#)
- [Scott Denning](#)
- [Sonia Kreidenweis](#)

Courses

- [AT555](#) - Introduction to Air Pollution
- [AT560](#) - Air Pollution Measurement
- [AT620](#) - Thermodynamics and Cloud Physics
- [AT622](#) - Atmospheric Radiation
- [AT715 \(PDF\)](#) - Atmospheric Oxidation Processes
- [AT716 \(PDF\)](#) - Air Quality Characteristics
- [AT760](#) - Global Carbon Cycle
- [AT772](#) - Aerosol Physics and Chemistry



Related Web Sites

- [Collett Research Group](#)
- [Denning Research Group](#)



- [Kreidenweis Research Group](#)

[College of Engineering](#) || [CMMAP](#) || [Colorado Climate Center](#) || [CIRA](#) || [CHILL Radar Facility](#)

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