



CIRES' Chu research group poses with CU Boulder emblems during LIDAR deployment.

Join our world-class LIDAR team for PhD research in space sciences at University of Colorado Boulder



University of Colorado Boulder



International scientists at the Arrival Heights Observatory in Antarctica

CU Boulder is home to a vibrant community of scientists and engineers and houses some of the world's most renowned environmental science institutes and facilities. Scientists at CU's Cooperative Institute for Research in Environmental Sciences (CIRES) explore advanced spectroscopy principles, develop new LIDAR technologies, study the fundamental physical and chemical processes that govern the whole atmosphere, and make new discoveries in the atmosphere-space sciences.

CIRES is recruiting PhD students in

- laser spectroscopy, optics and photonics
- atmospheric and space physics
- electrical and aerospace engineering

Current research projects:

- exploration of space-atmosphere interactions with LIDAR in Antarctica
- Na and Fe Doppler LIDAR observations of the mid-latitude atmosphere
- collaborative research of LIDAR with rocket at Wallops Island
- measurements of new metal species in space with laser spectroscopy

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Cooperative Institute for Research
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