Program Information:
List the departments and programs at your institution that are engaged in atmospheric and related sciences.

Department of Atmospheric Science

Indicate the total number of tenure-track and non-tenure-track faculty in the departments and programs listed above who are involved in atmospheric and related sciences.

tenure-track = 9; non-tenure track = 0

List the relevant degrees, certificates, and other educational programs offered in the atmospheric and related sciences at your institution.

Masters of Science in Atmospheric Science
Doctorate in Atmospheric Science
Undergraduate Degree in Earth System Science with Atmospheric Science Emphasis

How many undergraduate degrees were awarded in atmospheric and related sciences during the last eight years? 11

How many graduate degrees were awarded in atmospheric and related sciences during the last eight years? 27

Progress in Atmospheric and Related Sciences:
Indicate your institution's progress and contributions in the atmospheric and related sciences within the last eight years. Check all that apply.

- Produced refereed and/or non-referreed publications
- Produced textbooks or other teaching materials
- Received external funding
- Participated in scientific societies

Briefly describe any additional contributions or information you wish to share with the committee. (optional)

The University of Wyoming Department of Atmospheric Science is involved in three areas at the core of UCAR’s mission: Graduate education, airborne atmospheric research and instrument development for atmospheric research. Collaborations among personnel at the University of Wyoming, at NCAR, and in the broader Atmospheric Science community, are evident in several research projects and in the dissemination of research findings.
PARTICIPATION IN UCAR ACTIVITIES:

How many of the last eight Annual Members Meetings has at least one Member Representative from your institution attended? 8

If applicable, list the UCAR Governance Committees that your faculty and staff have served on during the last eight years.

Member, Observing Facilities Assessment Panel (2015-2016, Professor Tom Parish)

Member, Unidata Users Committee (2011-2014, Professor Bart Geerts)

Member, Unidata Users Committee (2008-2011, Scientist Larry Oolman)

Member Representative, UW Representative at UCAR (2008-2016, Professor Jefferson Snider)

If applicable, list the NCAR Advisory Committees or Panels that your faculty and staff have participated in during the last eight years.

Co-Chair, NCAR CESM Chemistry-Climate Working Group (2016, Professor Xiaohong Liu)

Co-Author of Experimental Design Overview for PECAN field experiment (2013, Professor Bart Geerts)

Member of Model Development Team for CESM1 and CESM2 (2008 to 2016, Professor Xiaohong Liu)

Co-Author of Experimental Design Overview for the ICE-T field experiment (2010, Professor Zhien Wang)

Co-Author of the Request for LAOF Facility Support for the OWLES field experiment (2012, Professor Bart Geerts)

Co-Authors of the Scientific Program Overview for ONFIRE (2015, Scientist David Leon and Professors Jefferson Snider and Zhien Wang)

Co-Organizer of Unidata Workshop titled “Using Operational and Experimental Observations in Geoscience Education” (2009, Scientist Larry Oolman)

Participant in group titled “Interagency Working Group for Airborne Data and Telecommunications Systems” (2009-2012, Scientist Larry Oolman)
If applicable, briefly list UCAR/NCAR facilities and/or resources used by your faculty, staff, and students during the last eight years.


**Involvement in the NCAR Airborne Research Instrumentation Testing Opportunity (ARISTO) (2015, Graduate Student Sara Fults and Professor Jefferson Snider)**

**Allocated time on the NCAR Supercomputer (2015-2016, Assistant Professor Zach Lebo)**

**Allocated time on the NCAR Supercomputer (2012-2016, Professor Bart Geerts)**

**Allocated time on the NCAR Supercomputer (2013-2016, Professor Xiaohong Liu)**

If applicable, briefly list examples of collaborative research activities with UCAR/NCAR staff by your faculty, staff, and students during the last eight years.

**Postdoctoral Fellow in the NCAR Advanced Study Program (2012-2013, Assistant Professor Zach Lebo)**

**Collaboration with NCAR Research Aviation Facility in aerosol instrumentation calibration for the ICE-T field campaign (2011-2012, Scientist Yong Cai and Professor Jefferson Snider)**

If applicable, list participation in any other UCAR/NCAR activities by your faculty, staff, and students during the last eight years that are not already indicated above.

**Participation in NSF/NCAR Workshop titled “Airborne Radiometry for Water Vapor and Liquid Water Retrievals” (2014, Professor Zhien Wang)**

**Participation in NCAR Thermodynamic Profiling Workshop (2011, Professor Bart Geerts)**

**Participation in NCAR Orographic Precipitation Workshop (2012, Professor Bart Geerts)**

**Presentations the NCAR Advanced Study Program Colloquium (2009, Professors Alfred Rodi and Jefferson Snider)**