**The NCAR Earth Observing Laboratory.** EOL's primary mission is to provide leadership in observing facilities, field project support, and research and data services needed to advance the scientific understanding of the Earth system. EOL manages the majority of the National Science Foundation’s Lower Atmosphere Observing Facilities and deploys them in support of observational field campaigns for researchers from universities, government agencies, and NCAR and in support of education.

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**COMMUNITY RESOURCES**

**Deployment**
EOL primarily serves the NSF-funded atmospheric research community with over 40 years of experience in coordinating both small and large field programs. We offer scientific, technical, operational, data, and logistics support in an effort to continually drive progress in atmospheric research. Facilities available for deployment include aircraft, radars, lidars, surface and sounding systems, and a range of other in-situ and remote sensing instrumentation.
Visit [www.eol.ucar.edu/deployment](http://www.eol.ucar.edu/deployment)

**Development**
EOL provides high-level engineering and technical expertise, mechanical design, and fabrication to support the atmospheric research community. Working closely with the scientific community, EOL actively develops new technologies and seeks opportunities to stay abreast of emerging trends, technologies, and applications in order to enhance and improve its measurement capabilities.
Visit [www.eol.ucar.edu/development](http://www.eol.ucar.edu/development)

**Data Services**
EOL’s platforms and instruments collect large and often unique data sets that must be validated, archived, and made available to the research community. The goal of EOL data services is to advance science by delivering high-quality project data and metadata in ways that are transparent, secure, and easily accessible. From collection to validation to archiving, EOL’s data services are committed to the highest standard of data stewardship.
Visit [www.eol.ucar.edu/data-services](http://www.eol.ucar.edu/data-services)
**Discovery**
As part of its mission, EOL scientists are active contributors to observational and measurement science research. EOL also promotes curiosity about the Earth system and particularly fosters advanced understanding of the processes involved in observational research. EOL strives to inspire the next generation of observational scientists and engineers by offering a range of educational, experiential, and outreach opportunities.
Visit [www.eol.ucar.edu/discovery](http://www.eol.ucar.edu/discovery)

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**OPPORTUNITIES**

**Request Facilities for Education**
NSF reserves a portion of the Deployment Pool for use by educators wishing to gain access to observational facilities for classroom instruction and hands-on learning experience. This includes requesting a facility deployment to a university for a short period. Requests should be submitted at least four and no more than six months ahead of the start of the coursework associated with the intended deployment.
Visit [www.eol.ucar.edu/edu-requests](http://www.eol.ucar.edu/edu-requests)

**Summer Internship**
EOL's internship, the Summer Undergraduate Program for Engineering Research (SUPER), provides a unique and valuable experience to prepare engineering students for successful careers. SUPER interns work hand-in-hand with EOL engineers on atmospheric observing systems including radar, lidar, and sounding, and may spend part of the summer participating in a field deployment operating and supporting one or more EOL observing systems.
Visit [www.eol.ucar.edu/super](http://www.eol.ucar.edu/super)

**Join Our Team**
Be part of a team that works with scientists to follow a project through from concept to system design, hardware or software development, and data collection throughout the world. EOL team members may be found flying over the Antarctic or swooping over the Pacific Ocean from 100 feet to 40,000 feet, and deploying ground-tower networks in some of the most remarkable settings on the planet. Visit [www.eol.ucar.edu/join-our-team](http://www.eol.ucar.edu/join-our-team)

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