



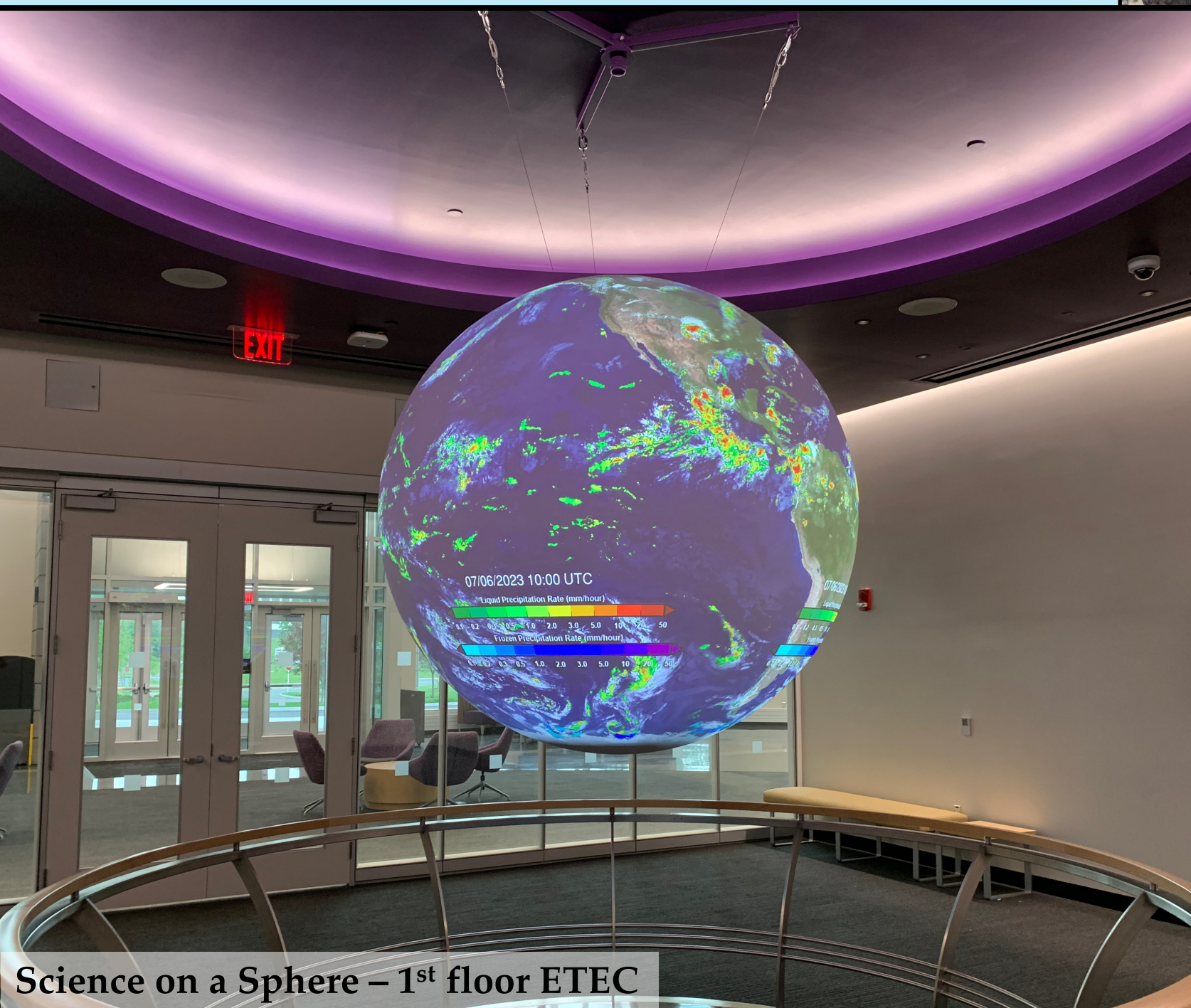
UNIVERSITY^{AT}ALBANY
STATE UNIVERSITY OF NEW YORK

Department of Atmospheric and Environmental Sciences

The Department of Atmospheric and Environmental Sciences is housed in the beautiful **ETEC Building**, on the east side of UAlbany's Uptown Campus.

Completed in 2021, the ETEC building is home to:

*Atmospheric and Environmental Sciences
Atmospheric Sciences Research Center
Center of Excellence in Weather and Climate Analytics
Emergency Preparedness, Homeland Security, Cybersecurity
Environmental and Sustainable Engineering
Electrical and Computer Engineering
National Weather Service
New York State Mesonet
...and more*



Science on a Sphere – 1st floor ETEC



3rd floor atrium collaboration space



5th floor weather observation deck



ETEC view in the winter



Freshman seminar learning about ETEC's geothermal heating and cooling system



ETEC view in the winter



ETEC views of the Catskills



Department of Atmospheric and Environmental Sciences

Bachelor of Science - Atmospheric Science

Our **Atmospheric Science** program is led by faculty experts in one of the largest Atmospheric Science departments in the nation. Our faculty teach courses and provide research opportunities in the following subtopics:

Synoptic–Dynamic Meteorology (weather systems)

Climate Change • Paleoclimatology • Artificial Intelligence

Numerical Weather Prediction • Hurricanes and Tropical Meteorology

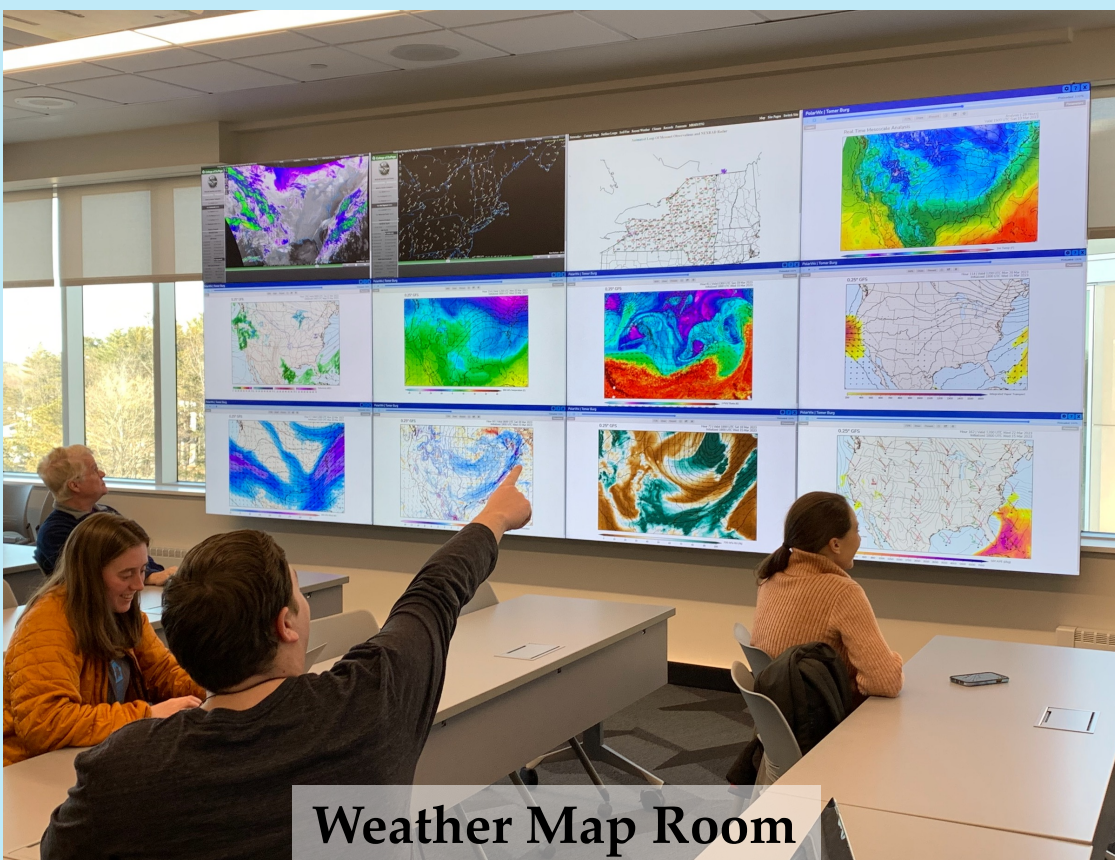
Mesoscale Meteorology (thunderstorms, lake-effect precipitation)

Air Pollution, Air Quality, and Urban Meteorology • Remote Sensing

Meteorological Data Analysis and Visualization • Climate Modeling

Seasonal and Subseasonal Forecasting

Launching weather balloons for severe weather research



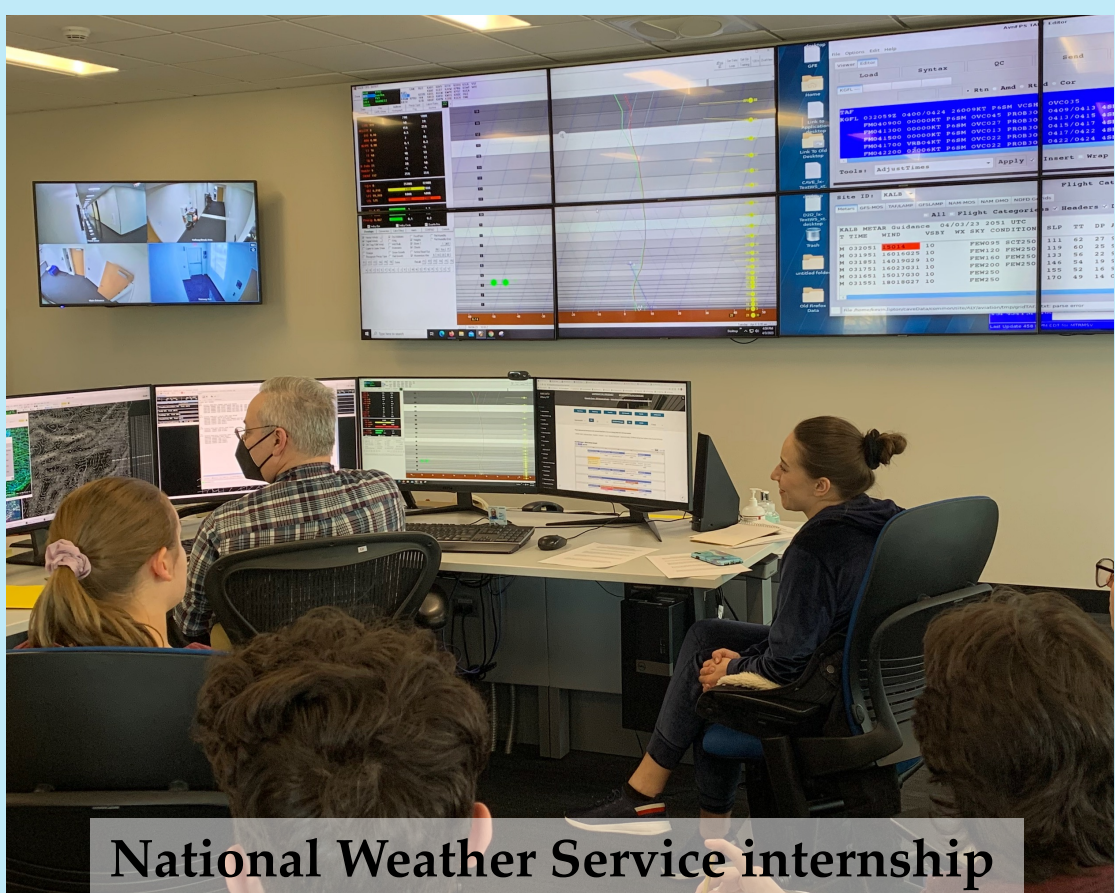
Weather Map Room



Students launching weather balloons for the National Weather Service



American Meteorological Society Student Group's trivia night



National Weather Service internship



Internships

We have many internship and research opportunities available for our students. Many students participate in the following internship programs during their time as atmospheric science majors at UAlbany:

National Weather Service

New York State Mesonet

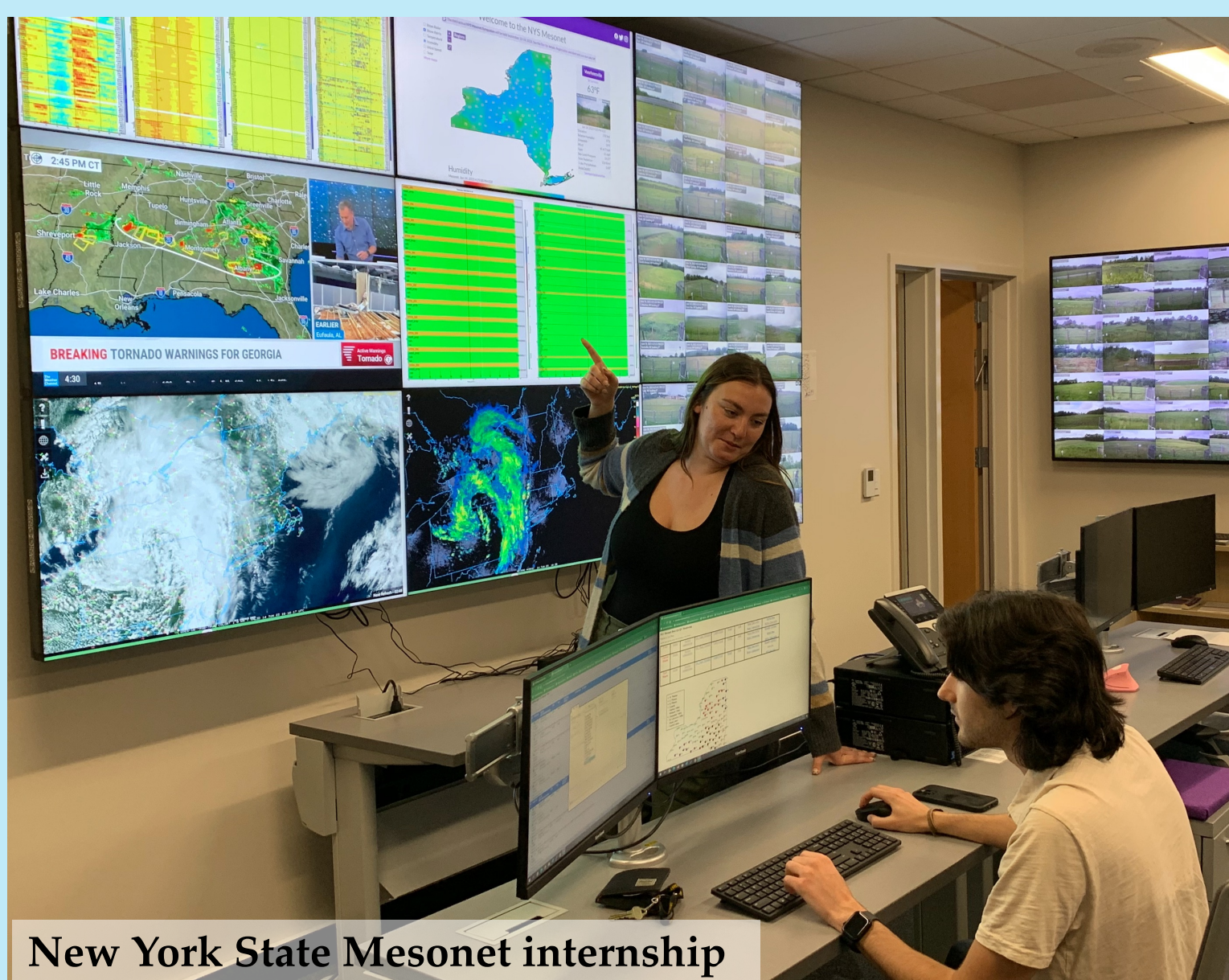
New York State Office of Emergency Management

New York State Department of Environmental Conservation

UL Solutions (sustainability and alternative energy)

Local forensic meteorology companies

Additionally, students are encouraged to participate in research on any of the subtopics above with any of our faculty members.



New York State Mesonet internship



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Bachelor of Science - Environmental Science

Our **Environmental Science** program allows for a large variety of courses and experiential learning opportunities, across disciplines, and harnessing state-of-the-art laboratory and teaching facilities in ETEC. Because environmental science is interdisciplinary, students have opportunities to study the science through courses, internships, and research in:

Sustainability • Climate Modeling • Artificial Intelligence

Environmental Conservation • Paleoclimatology

Energy and Resources • Air Pollution

Air Quality • Geology • Oceanography

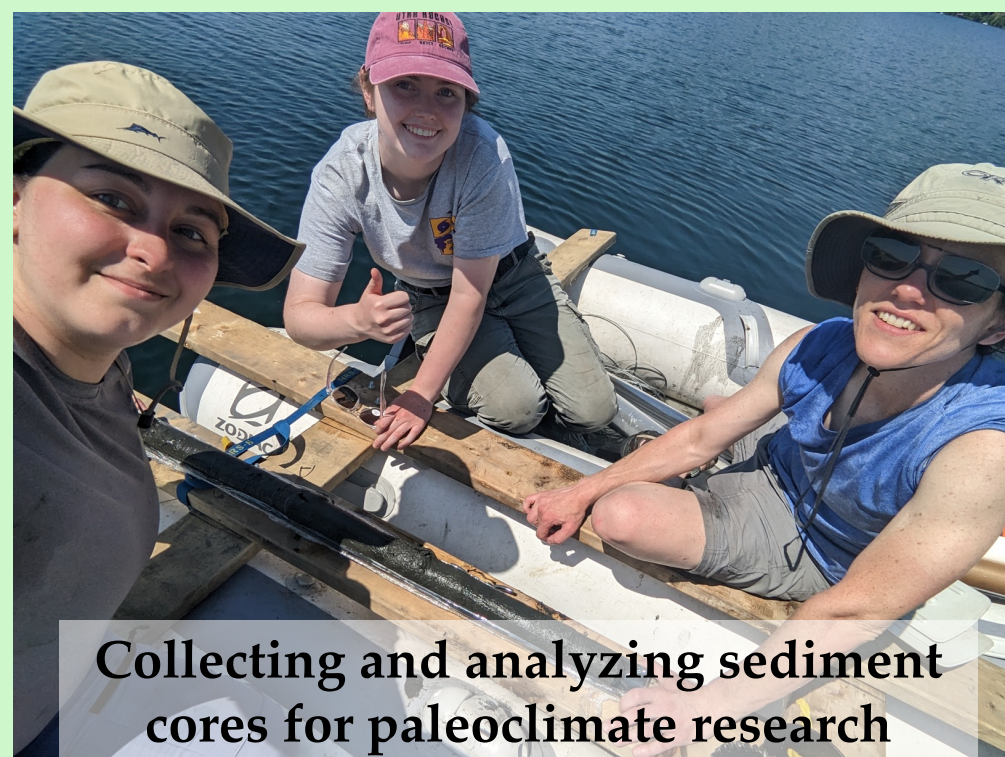
Remote Sensing • Local and regional field work



Dendrochronology (tree ring Sampling field trip)



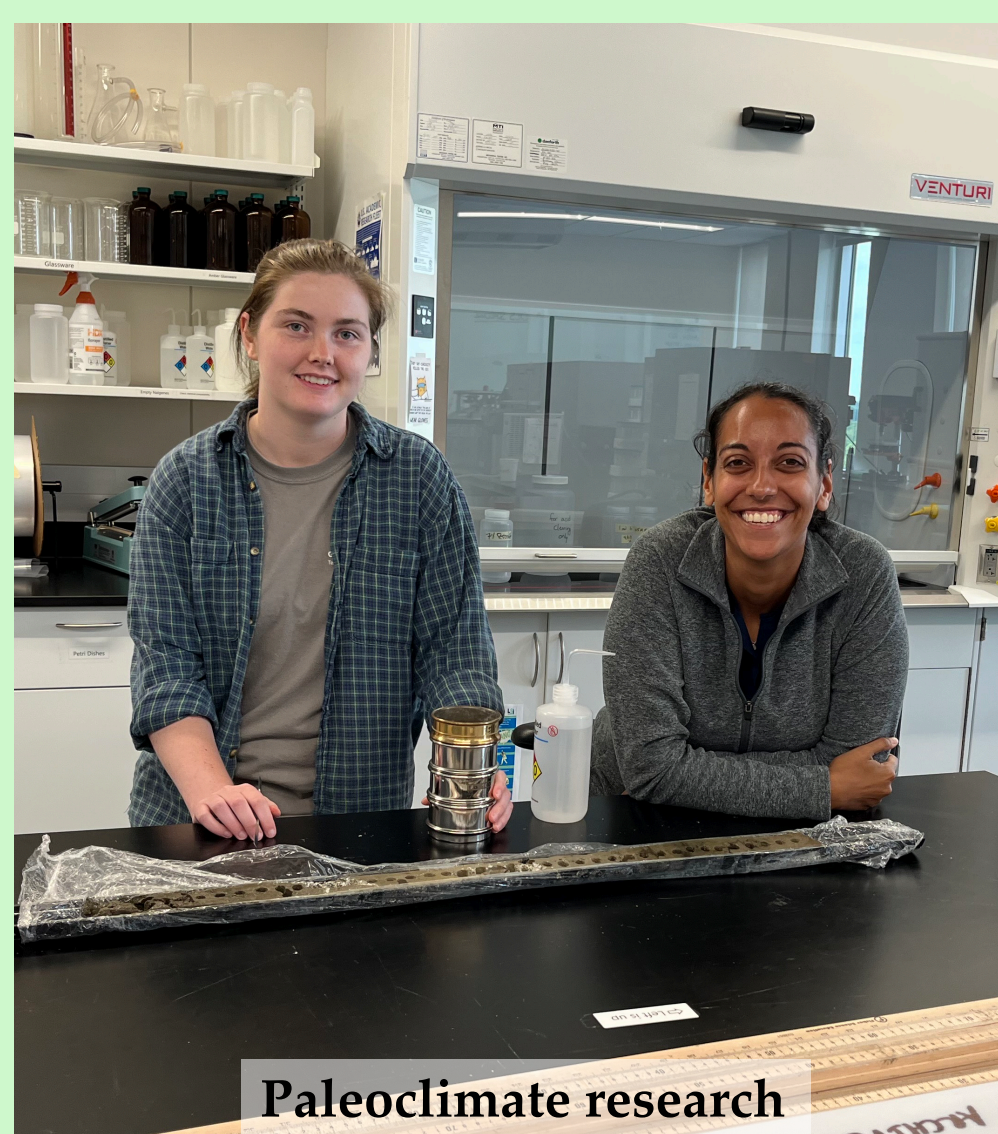
Dendrochronology (tree ring Sampling field trip)



Collecting and analyzing sediment cores for paleoclimate research



AENV 404 (Adirondack Environment) field trip to Whiteface Mountain



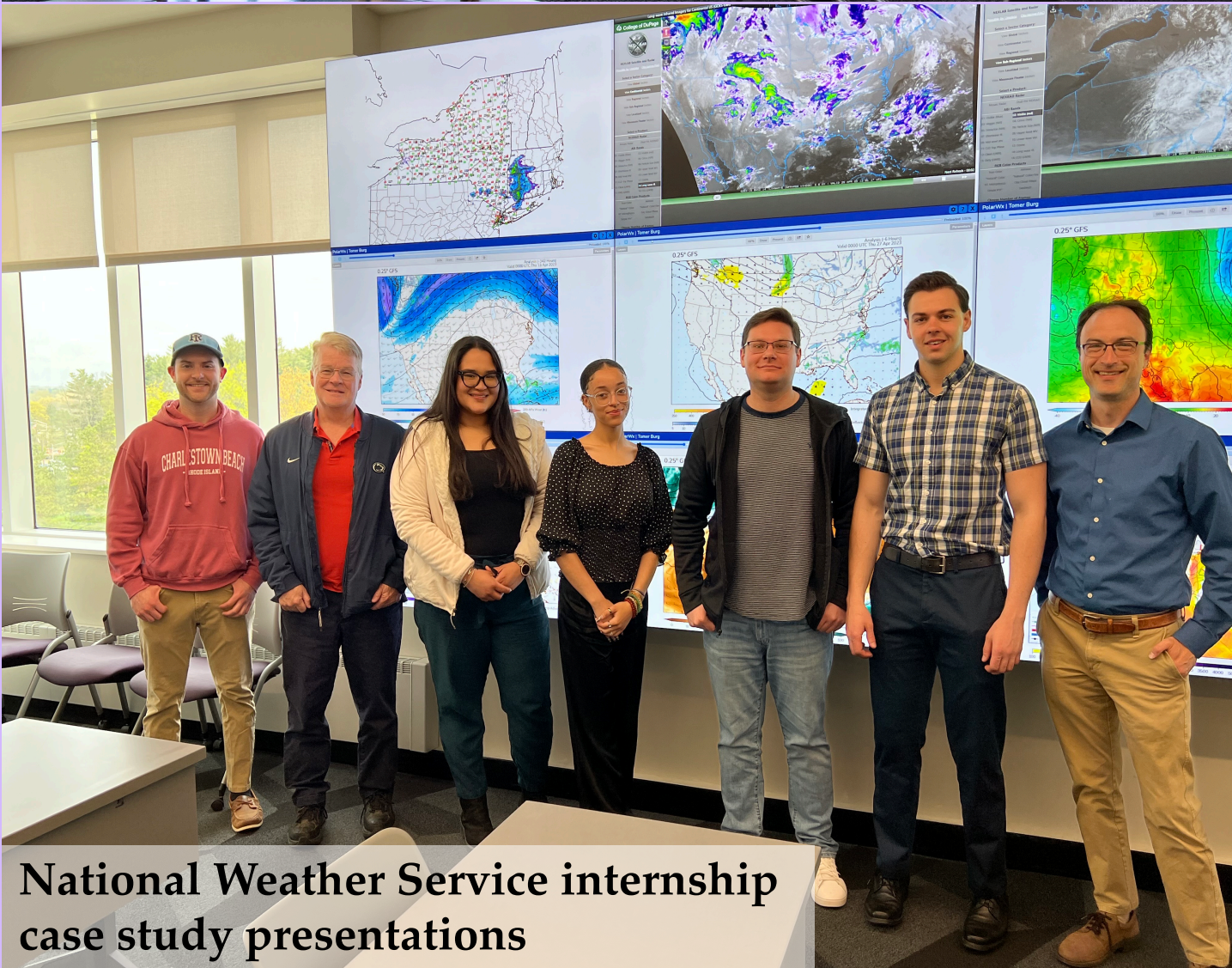
Paleoclimate research



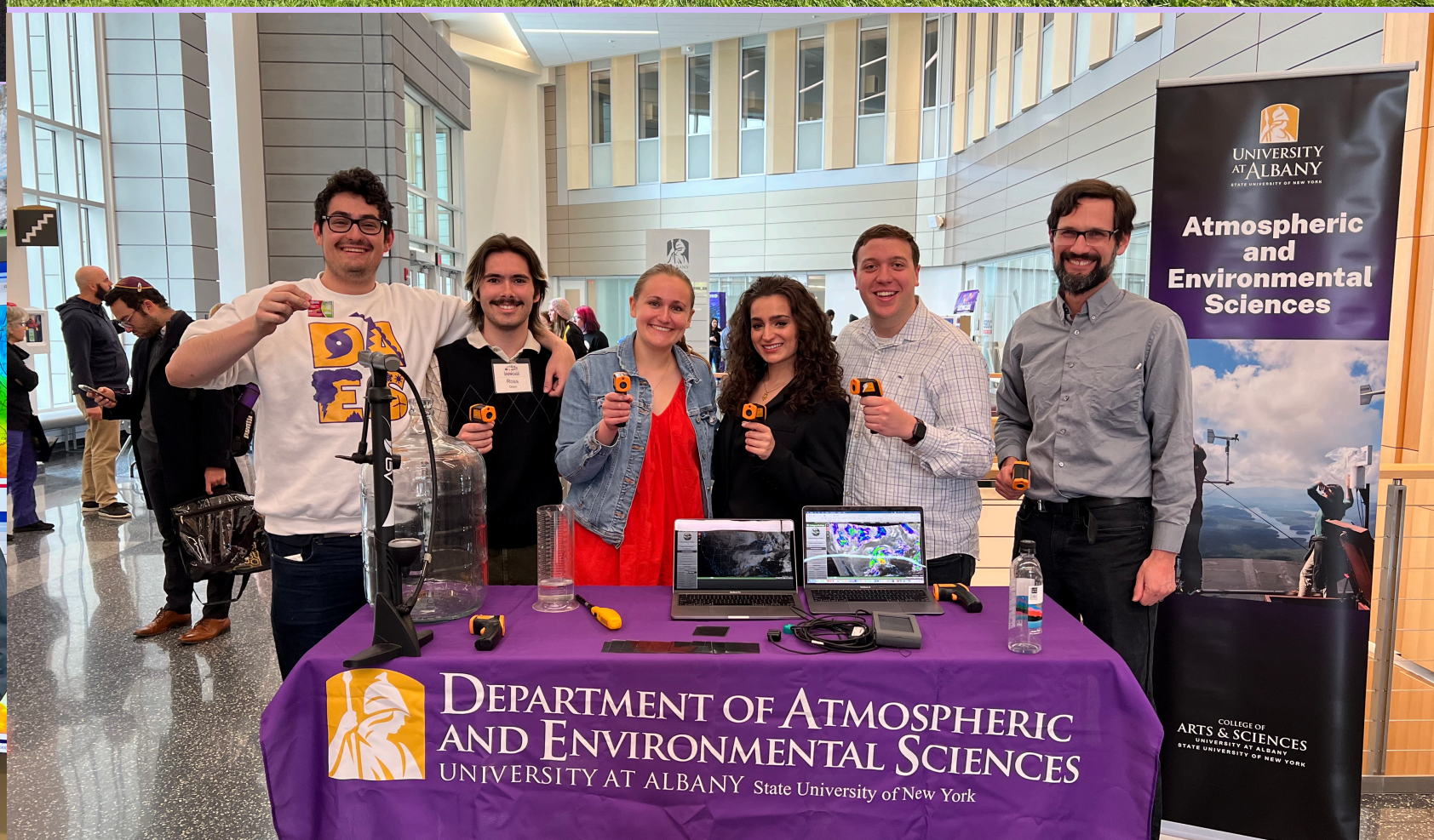


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National Weather Service internship case study presentations



Student Groups

UAlbany Students for Sustainability

Hydroponics Garden Club

American Meteorological Society – Local Chapter

Democracy Matters

UAlbany Outdoors



Campus cleanup



Students attending a conference in Colorado



UAlbany Students for Sustainability