

Welcome to *PolarConnect*



Antarctic Automatic Weather Stations 2018

With PolarTREC Teacher Mike Penn
& Team Researcher Lee Welhouse

Monday, 17 December 2018

Getting to Know Adobe Connect

Slides will be shown here

Exit presentation

Mute your speakers

Raise your hand

List of all participants

Follow the chat

Find out more about the presentation

Chat here



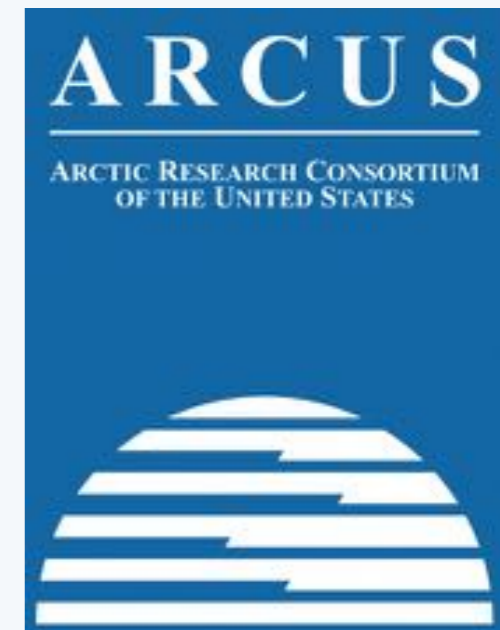
Participant Introductions

In the Chat box, please introduce yourself by typing in your:

- ✓ Name
- ✓ School or Institution
- ✓ The number of students and adults participating with you in the same location

What is PolarTREC?

- Since 2004, the Arctic Research Consortium of the United States (ARCUS), a non-profit organization, has been administering the PolarTREC Program.
- PolarTREC is professional development for K-12 teachers. They are paired with researchers for 2-6 week research experiences in the polar regions.
- Over 150 teachers from around the United States have joined scientists in the Arctic and Antarctica to learn about science, the polar regions, and to share what they have learned with their students and communities.



25 Years of Connecting Arctic Research
www.arcus.org

Questions

During the Presentation:

- Type your question in the text chat box

At the End of the Presentation, two options:

1. Type your question in the text chat box, or
 2. Raise your hand with the “hand button”.
- PolarTREC staff will call on you and activate your microphone.
 - Speak loud and clear, directly into the computer microphone or the phone to ask your question.

The AWS Team - Lee, Forbes, Elina, Mike and Dave





MIKE PENN

2018 PolarTREC Teacher

LEE WELLHOUSE

-POC

-9th season on the ice



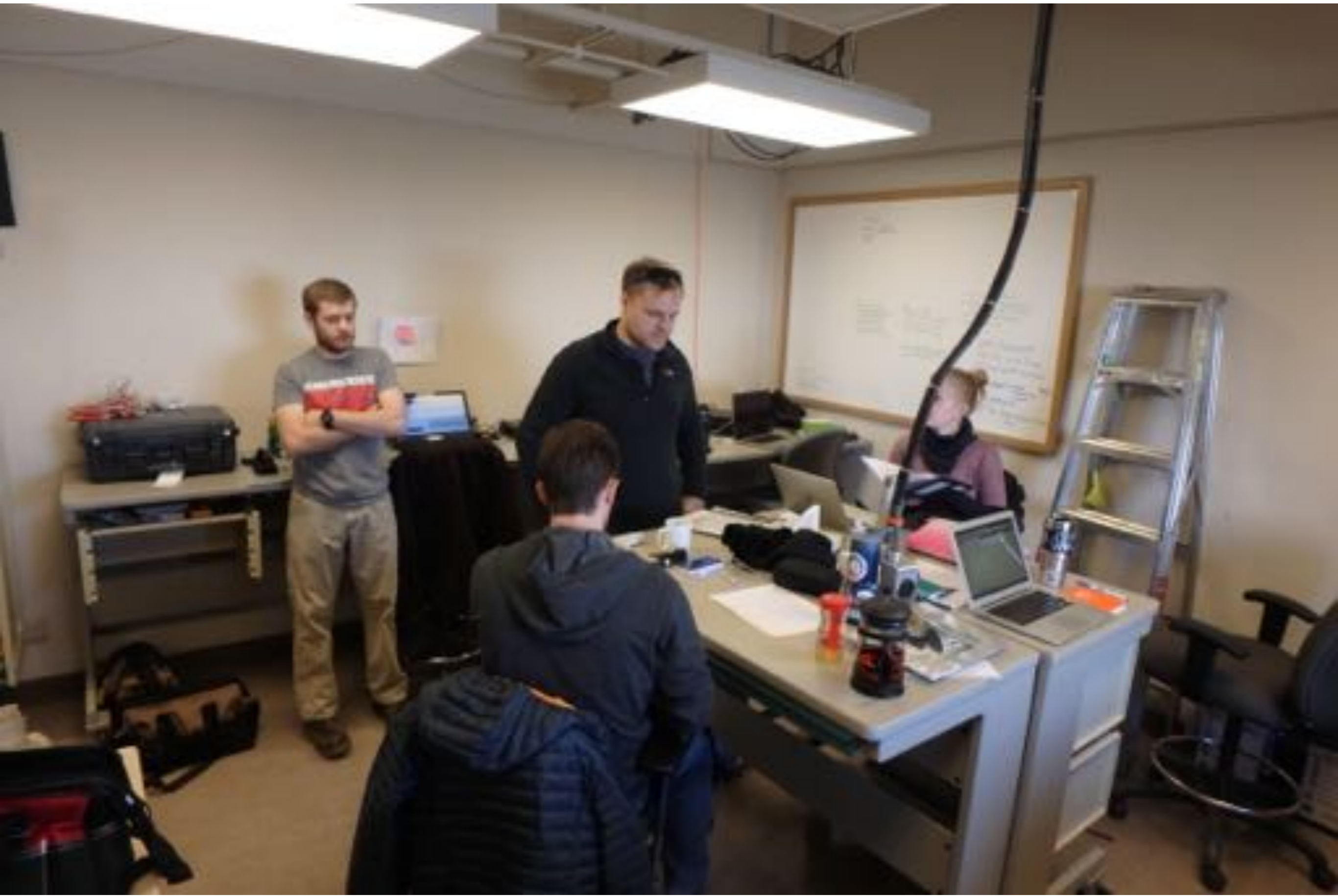
**This is an
Automatic Weather Station
At “Willie Field”
near
McMurdo Station,
Antarctica**

- These stations collect**
- Temperature (upper and lower)**
 - Wind speed and direction**
 - Humidity**
 - Snow Depth**
 - Barometric Pressure**

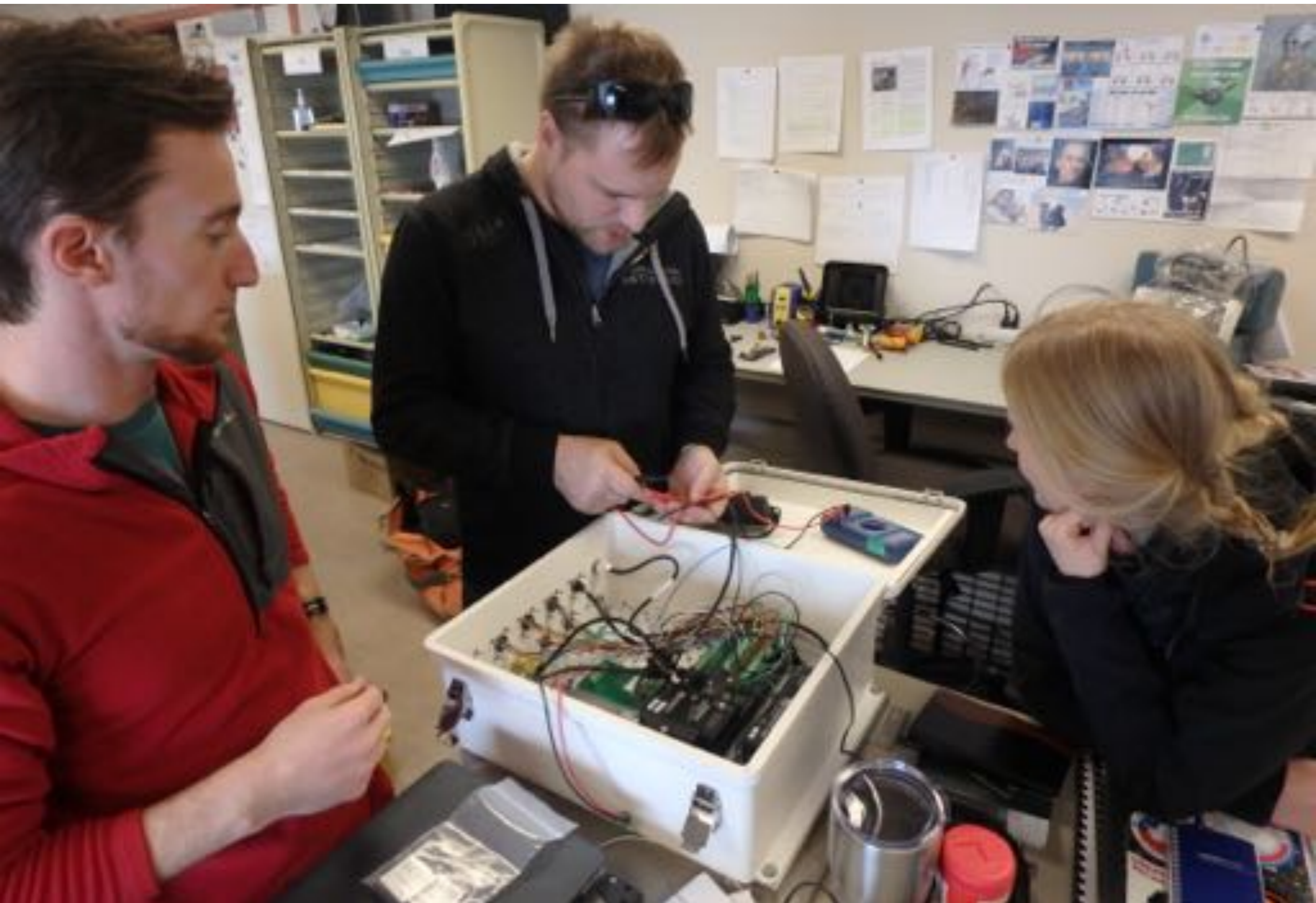
**That data is then transmitted
to satellites and then to
The University of Wisconsin**



What have we been doing?



Preparing Equipment for the Field





Flying to remote locations to service the AWS units



- **Raising the towers**
- **Raising the instruments**
- **Replacing or raising battery boxes**
- **Recording exact locations**

Transportation in airplanes or helicopters over 500 miles



BAD Weather!



Lots to see!





Many other interesting projects with cutting edge science

Join PolarTREC!

www.polartrec.com/about/join

Everyone can participate in different ways:

- **Follow Expeditions**
- **Participate in PolarConnect Events**
- **Join the Polar Education Email List**
- **Check out the great resources**
- **Become a PolarTREC Teacher or Researcher**
- **Become a member of ARCUS**

Thank You!

An archive of the event will be available shortly.

<http://www.polar-trec.com/polar-connect/archive>



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