Welcome to PolarConnect

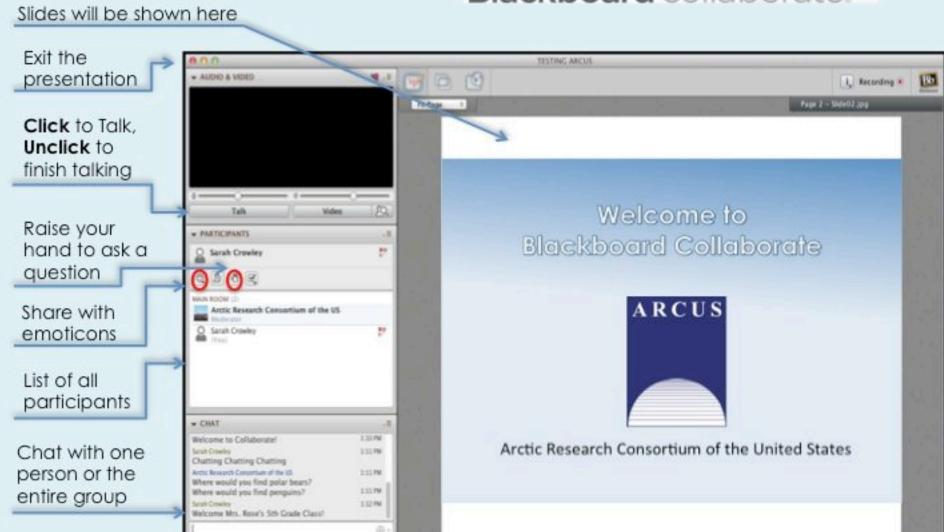
with Mark Buesing and the NASA IceBridge 2013 PolarTREC Expedition

Tuesday 13 August 2013

19:00 a.m. AKDT

(10:00 am PDT, 11:00 am MDT, 12:00 pm CDT, 1:00 pm EDT)





Please Note:

- Participants using the telephone can mute/unmute by pressing *6 on the phone.
- Today's event will be recorded and archived.



Participant Introductions

Please type in the chat box:

- ✓ Name
- ✓ Affiliation (School, Institution, Etc.)
- ✓ The number of students and adults participating with you in the same location

What is PolarTREC?

PolarTREC is a professional development experience in which K-12 teachers are paired with researchers for 2-6 week research experiences in the polar regions.

From 2010-2013, nearly 50 teachers from around the United States will join 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.

Questions

During the Presentation:

Type your question in the text chat box

At the End of the Presentation:

- Raise your hand with the "hand button".
- PolarTREC staff will call on you.
- Speak loud and clear and directly into the phone to ask your question.

Click on the Talk button to speak.
Unclick when you are done.

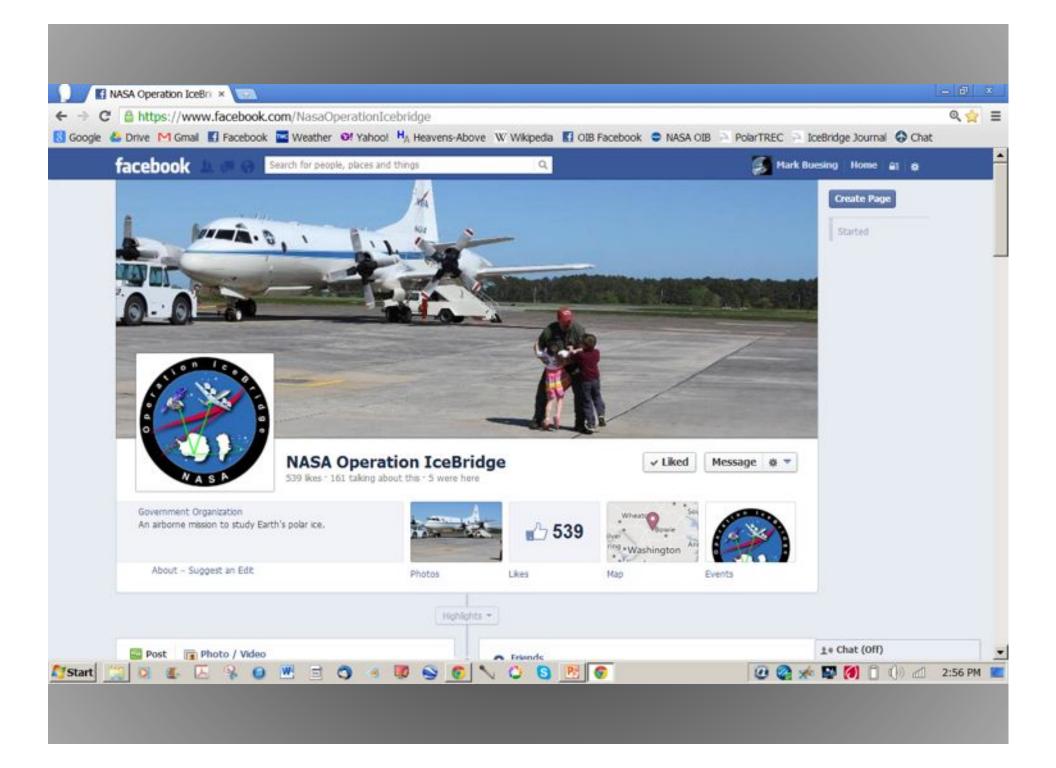


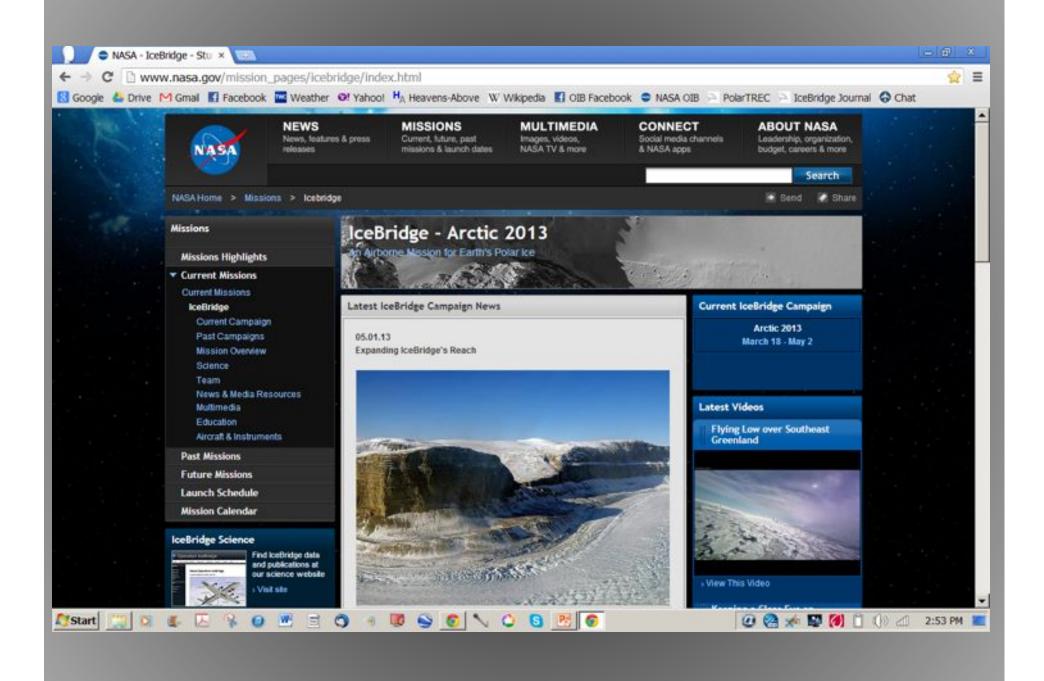
PolarTREC and NASA's Operation IceBridge





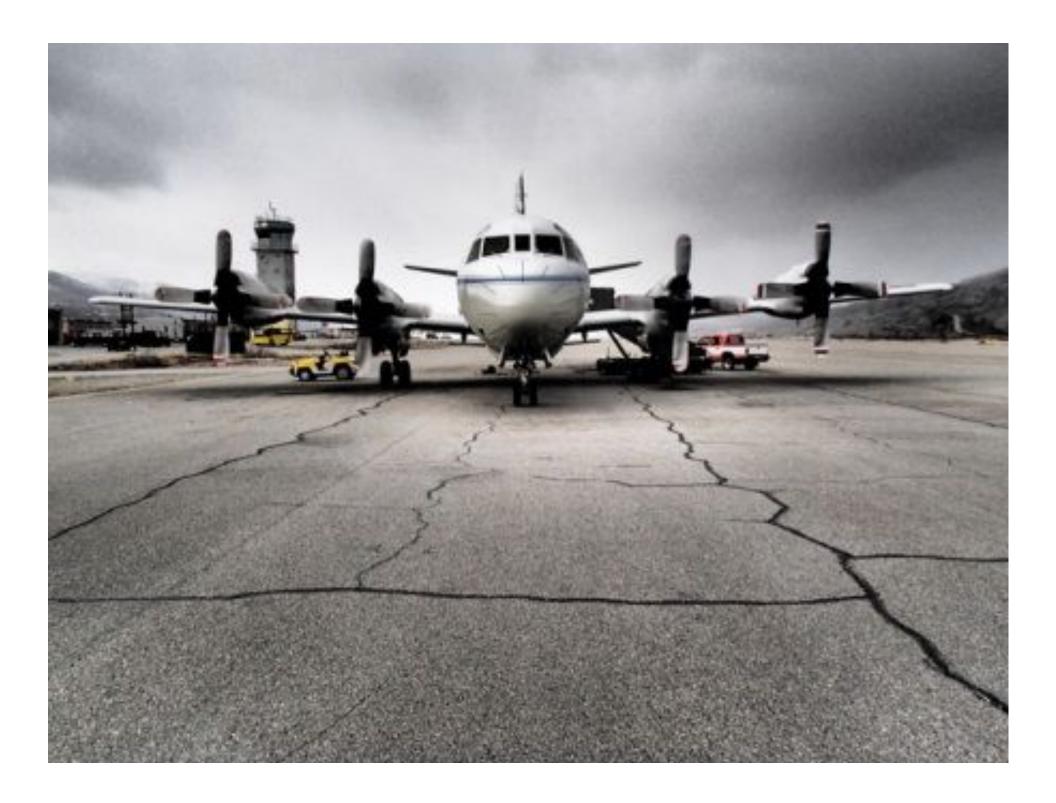










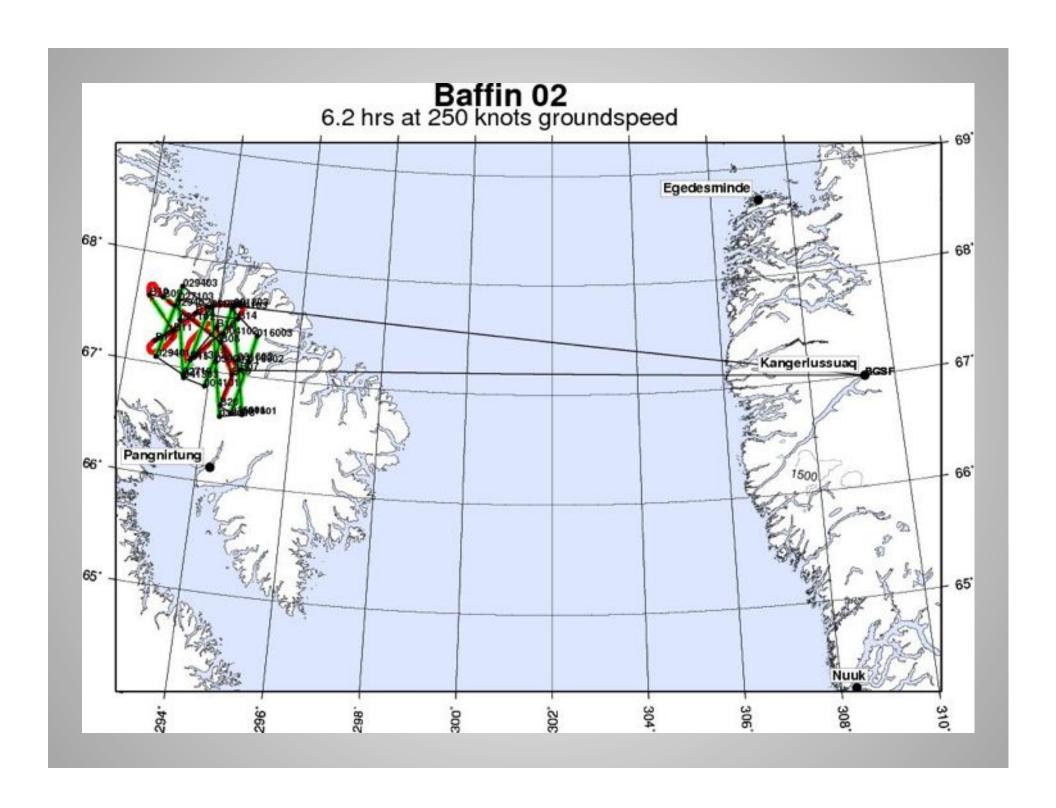


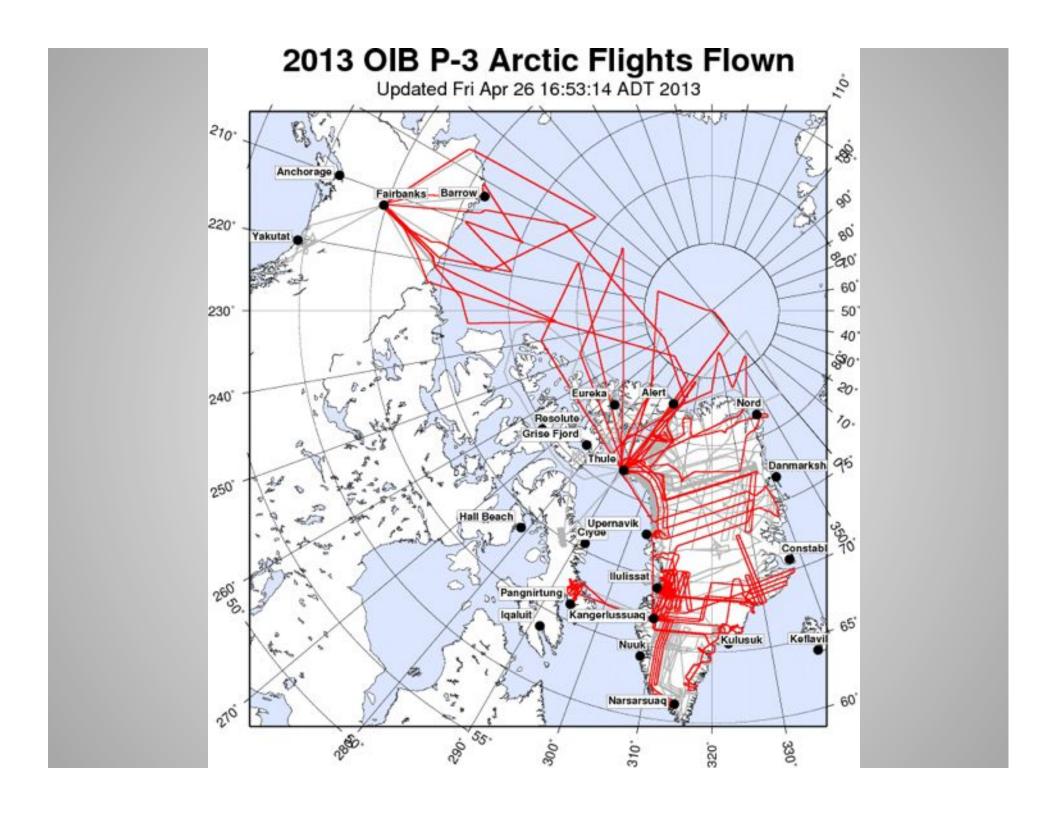


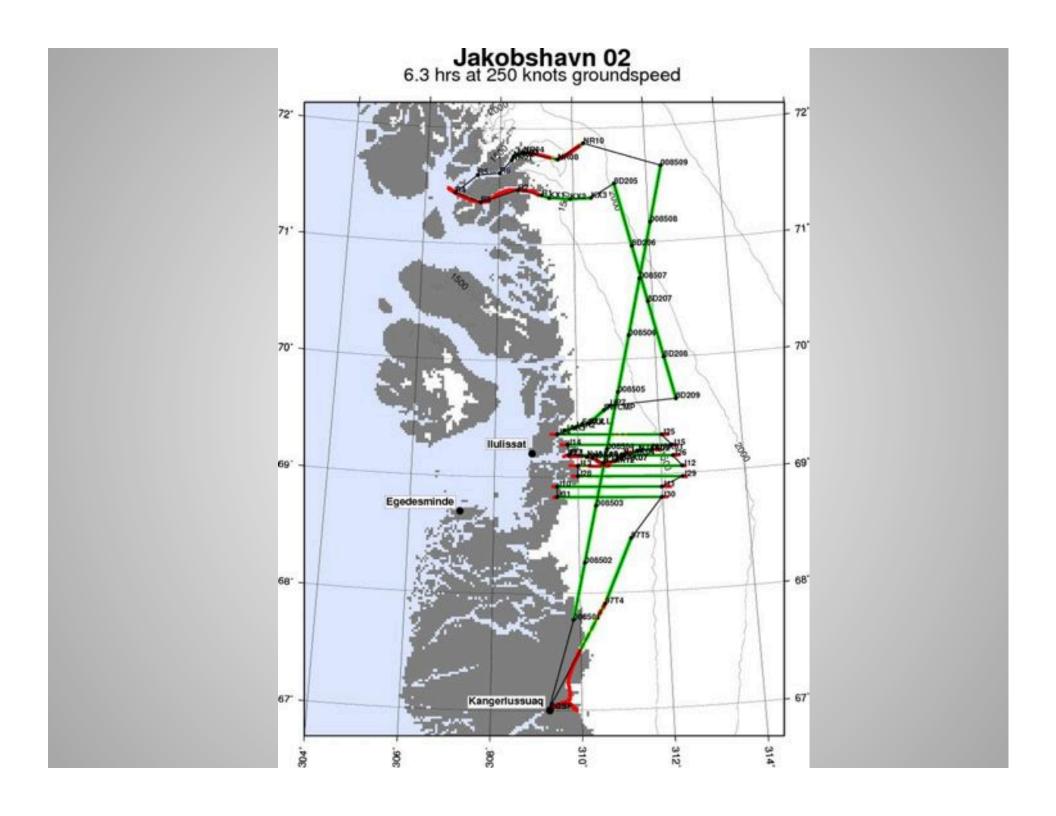


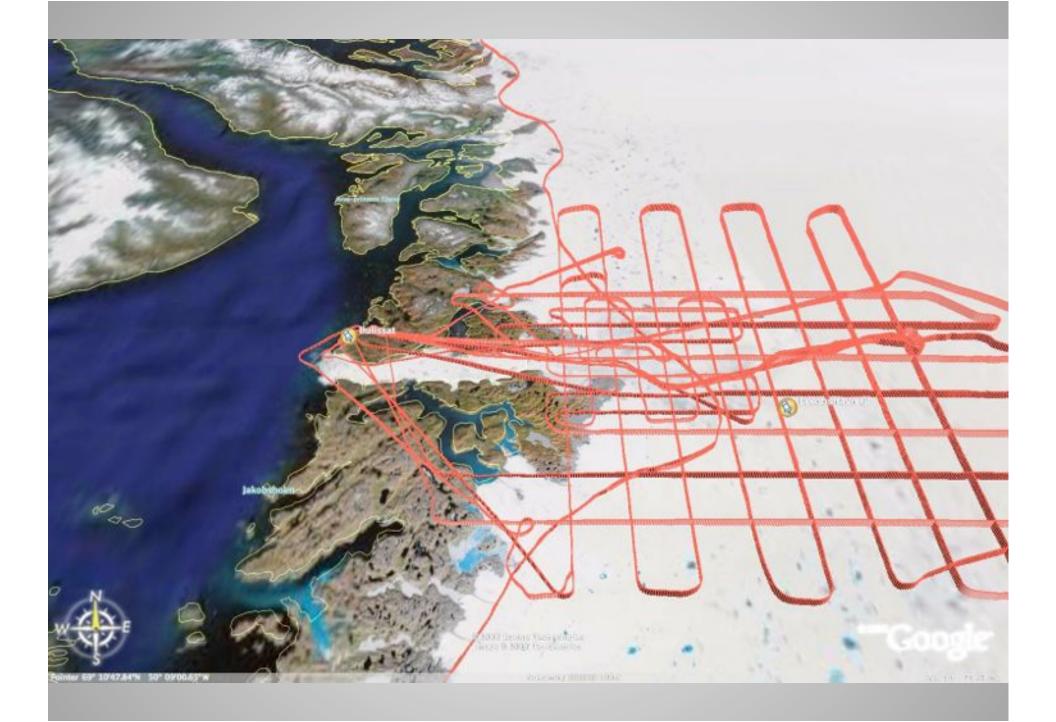


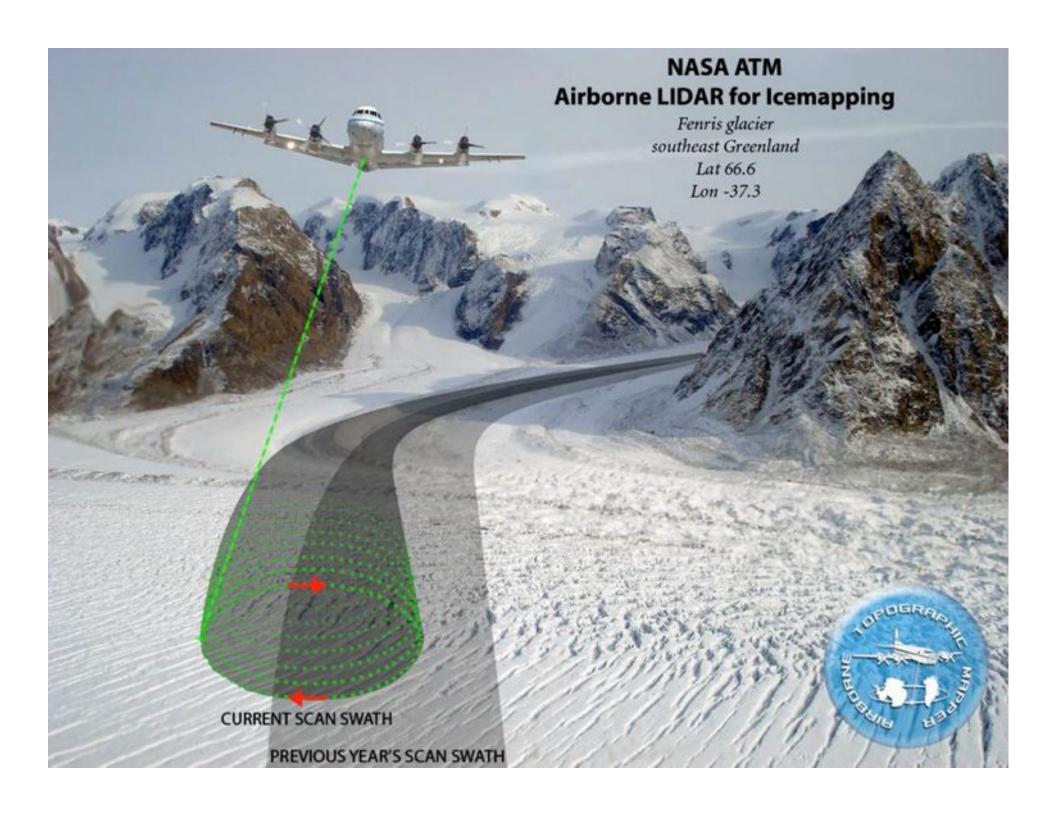


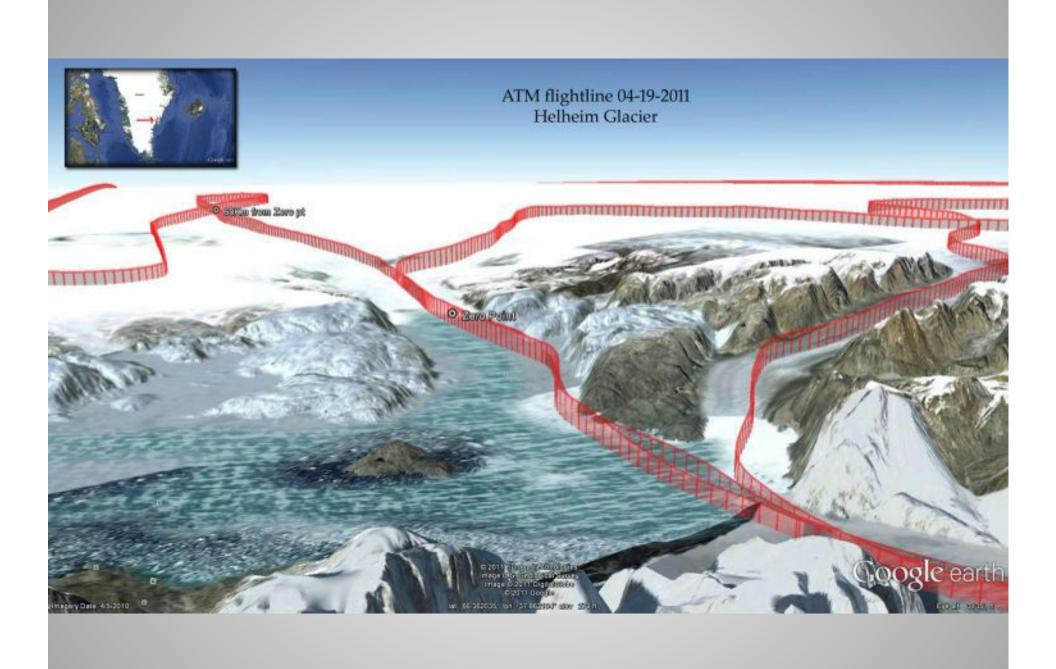


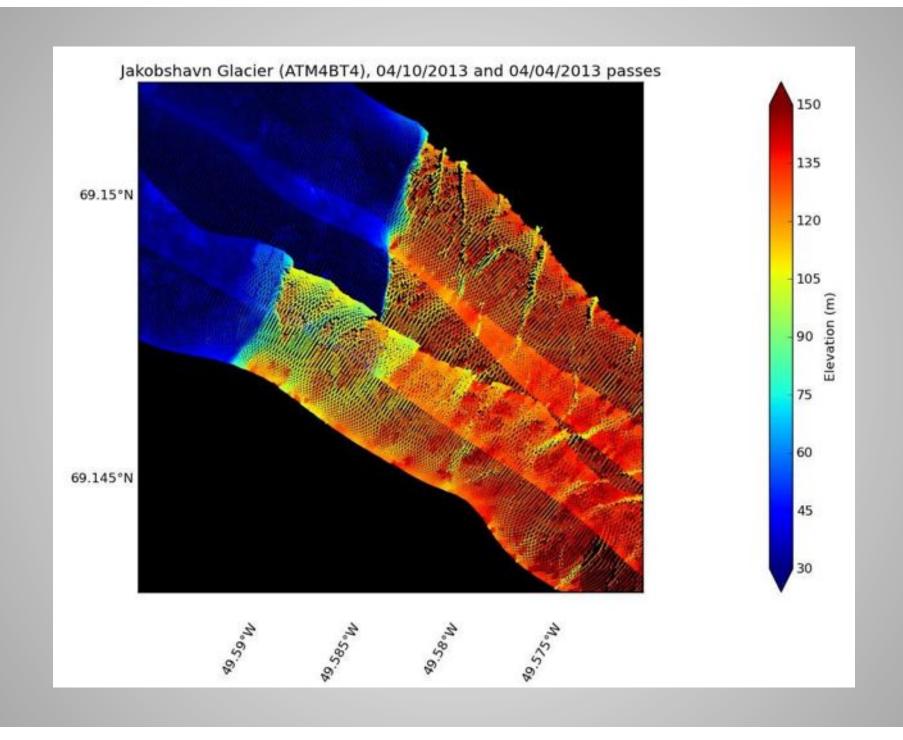


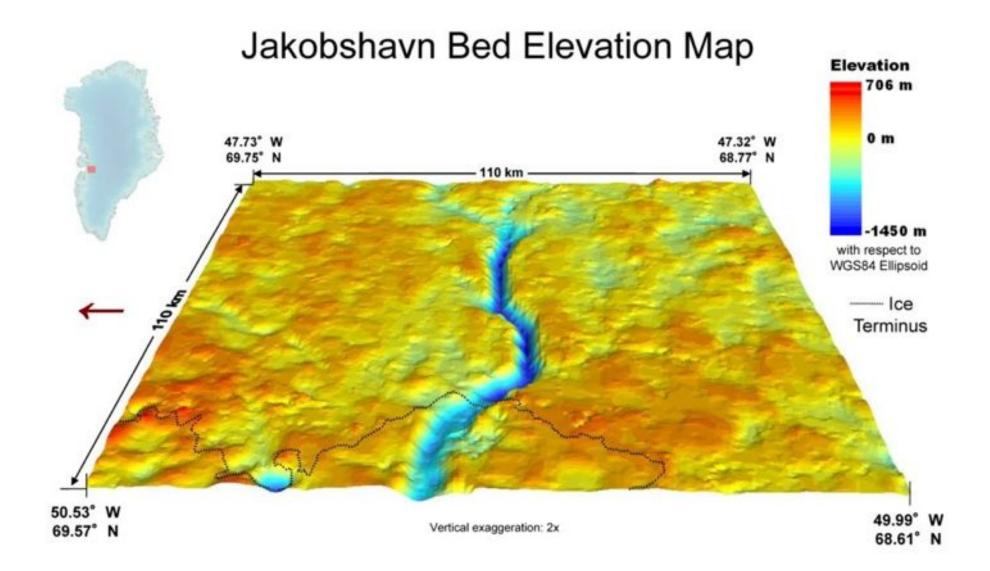












Data Sources:

Ice thickness: KU Polar Radar, 1997-1999, 2001-2003, 2005-2009

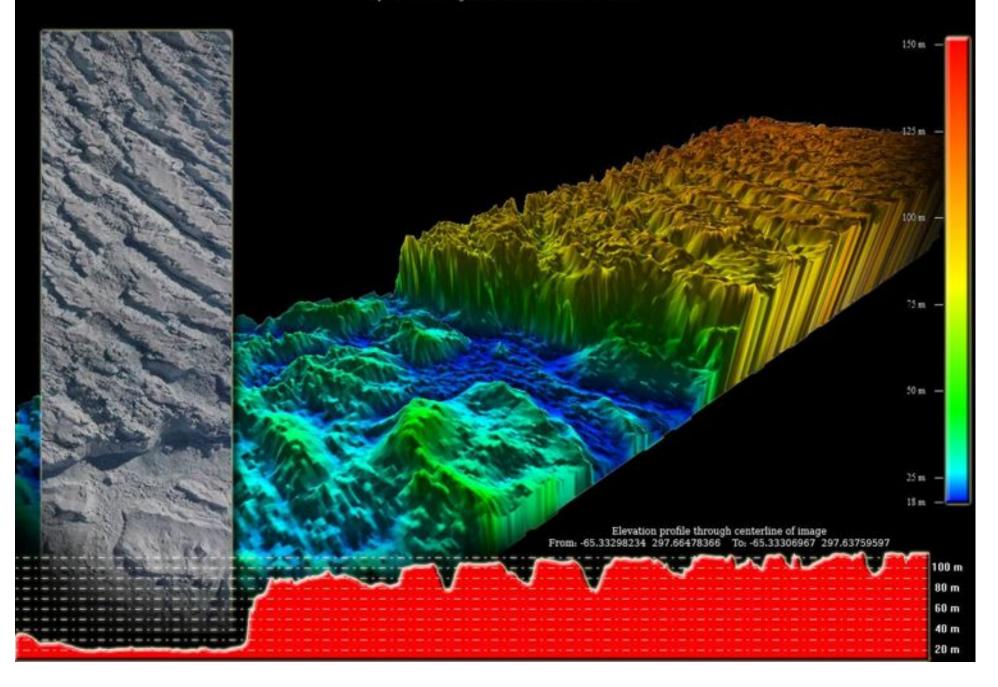
Ice surface elevation: W. Krabill, NASA

Bare rock elevation: B. Csatho, U. Buffalo, 2006 ASTER DEM

Open fjord depth: D. Holland, NYU

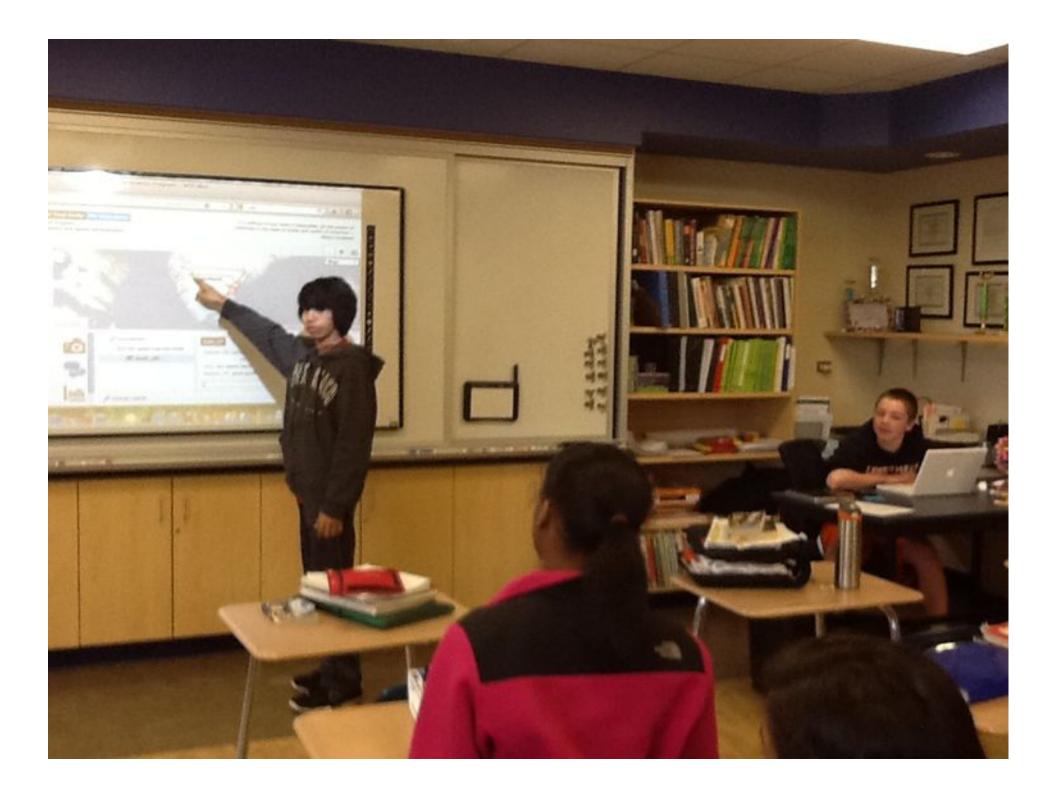


Crane Glacier, Antarctica, 10-31-2009 Image data From NASA ATM T3 LIDAR Operation Ice Bridge - NASA DC8 - N817NA - Fall 2009

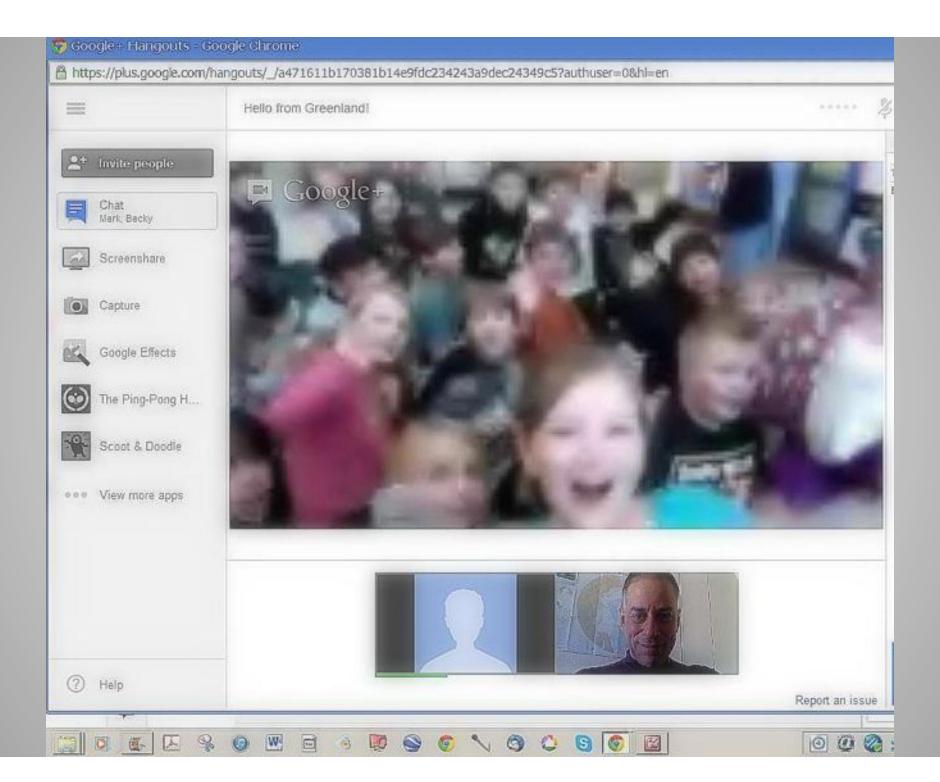




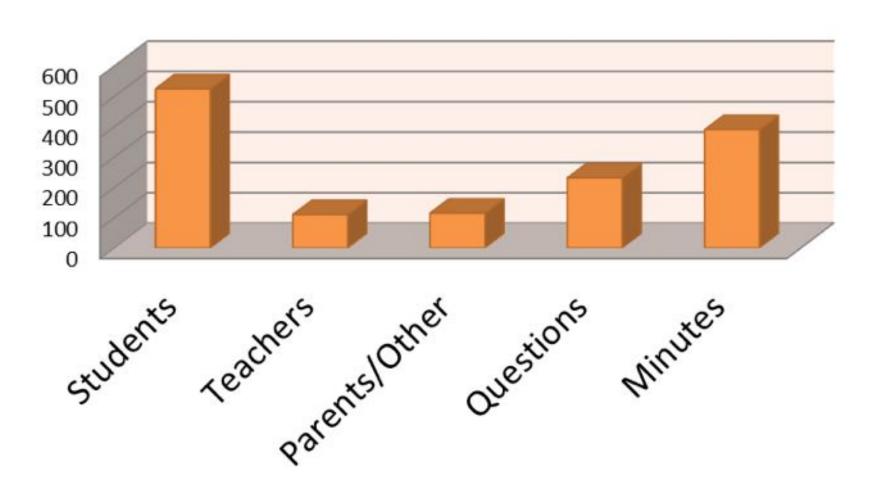
Why are science, technology, engineering, and math vital to *all* students.







Outreach



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Mark Buesing

About

Expeditions: Airborne Survey of Polar Ice 2013.

Occupation: Teacher

Organization: Liberty ville High School

Mark Buesing confesses that he is not a teacher. At least that's not what he started out as. Mr. Buesing graduated with honors in Electrical Engineering from the University of Illinois - Urbana. He worked at both Hughes Aircraft in the Missile Development Division and Motorola in the Cellular Subscriber Division.

In college Mr. Buesing started bicycle racing. As he began receiving wider recognition as a bicycle racer, he accepted an offer to race full time and left Motorola on good terms. While racing, he was selected to train at the Olympic Training Center, was twice the Illinois Rider of the Year, and rode in the 1992 Olympic Trials.

During an off-season from cycling, a physics teacher at a local high school quit. A friend called and asked Mr. Buesing if he could fill in until the school could find a "real" teacher. Mr. Buesing loved engineering, but after a few days in the classroom, felt a calling to be a teacher; he had accidentally discovered what he was meant to do. After retiring from cycling Mr. Buesing completed a Master's in Education and embarked on a teaching career.

"Mr. Mark," as his students call him, teaches Physics and AP Physics at Libertyville High School. He is the head cross country coach and coaches the school's academic decathlon team. He lives in Bristol, WI with his wife, two children, and a dog.

Mark Buesing's Content

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Journals	Resources	Forum Posts	Forum Replies

Title Poster

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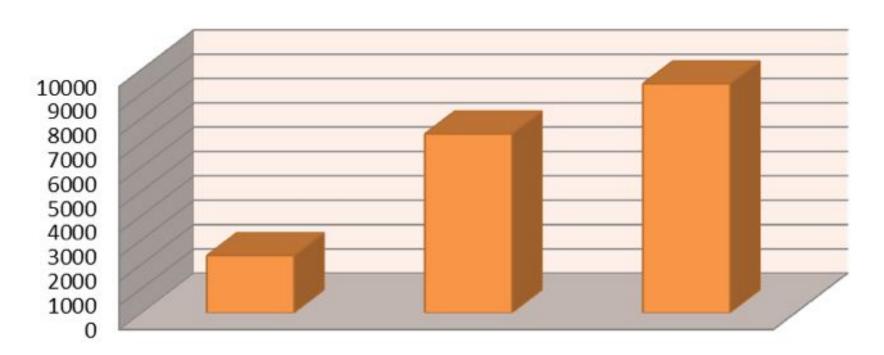
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Teachers: Join PolarTREC!

www.polartrec.com/about/join

Every teacher can participate in different ways:

- Following Expeditions
- Participate in PolarConnect Events
- Join the Polar Education Email List
- Take Online Professional Development Courses
- Become a PolarTREC Teacher!

Upcoming Events

Watch for and register for upcoming events at www.polartrec.com!

Thank You!

An archive of the event will be available shortly. http://www.polartrec.com/polar-connect/archive

