

POLAR DETECTIVES



Using Ice Core Data to Decode Past Climate Mysteries



Resources

Polar Detectives Activity:

<http://www.climate-expeditions.org/educators/activities.html>

Webinar with science background:

http://learningcenter.nsta.org/products/symposia_seminars/NSF/webseminar3.aspx

US Ice Drilling Program Info:

- www.icedrill.org
- www.climate-expeditions.org

Watch this site for revisions!



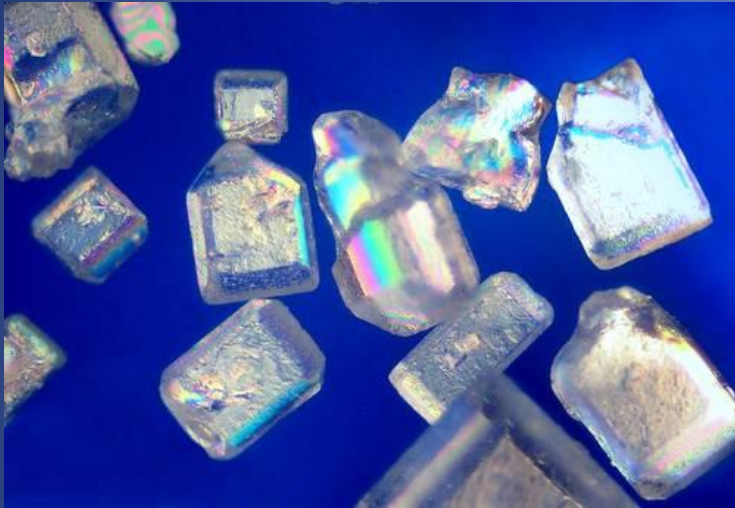
A Discrepant Event...

Our question: What caused the
Year Without a  Summer ?

A hypothesis:

Evidence archived in ice cores...

Investigating physical properties



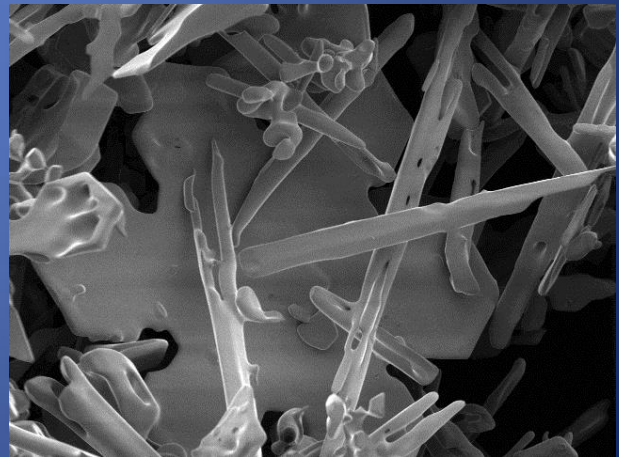
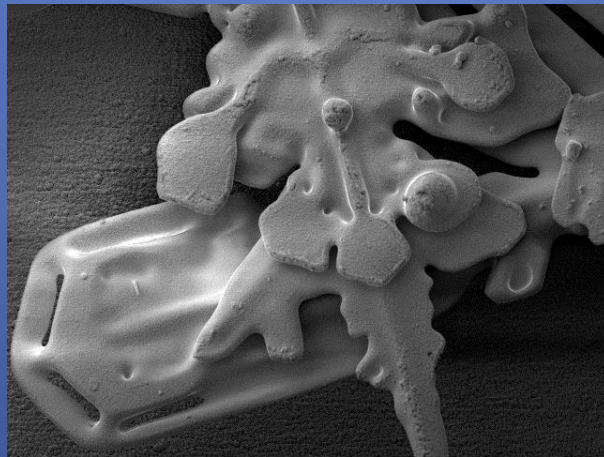
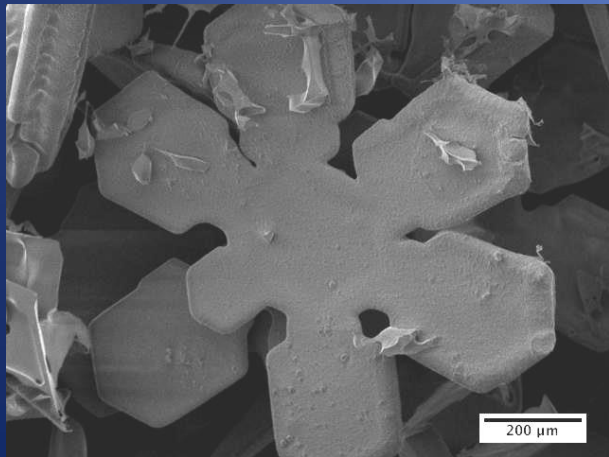
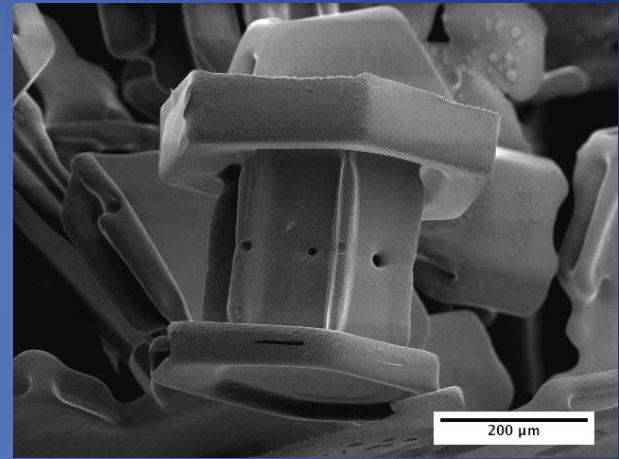
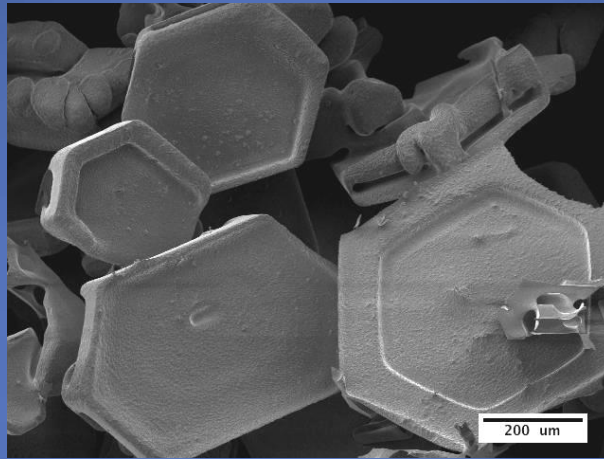
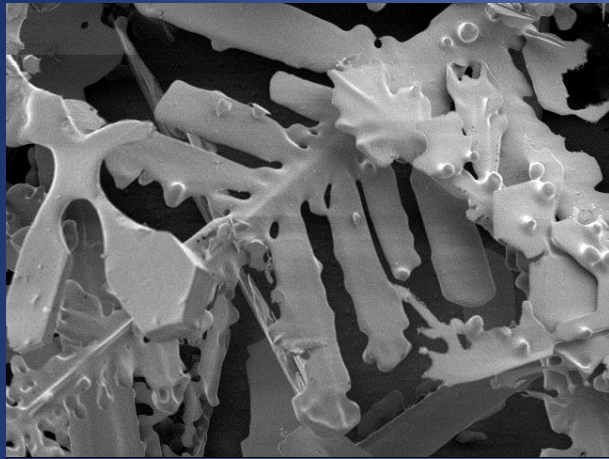
Summer



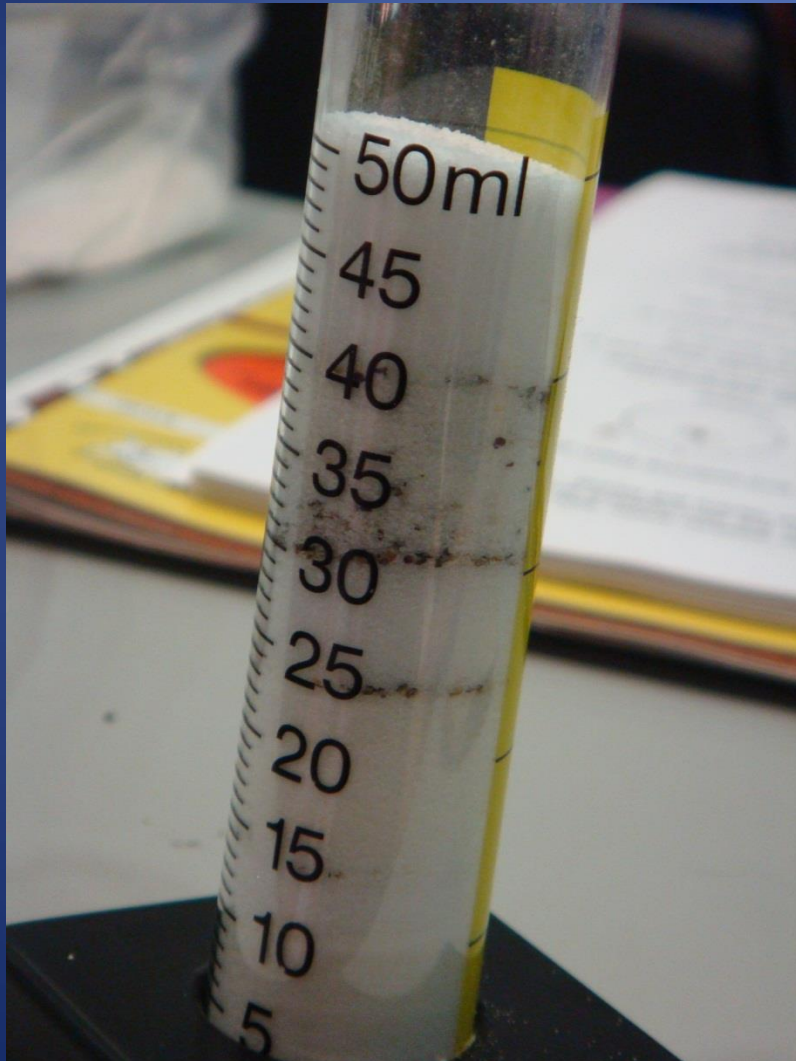
Winter

Size, color, crystal shape...

SEM Images of the Real Thing

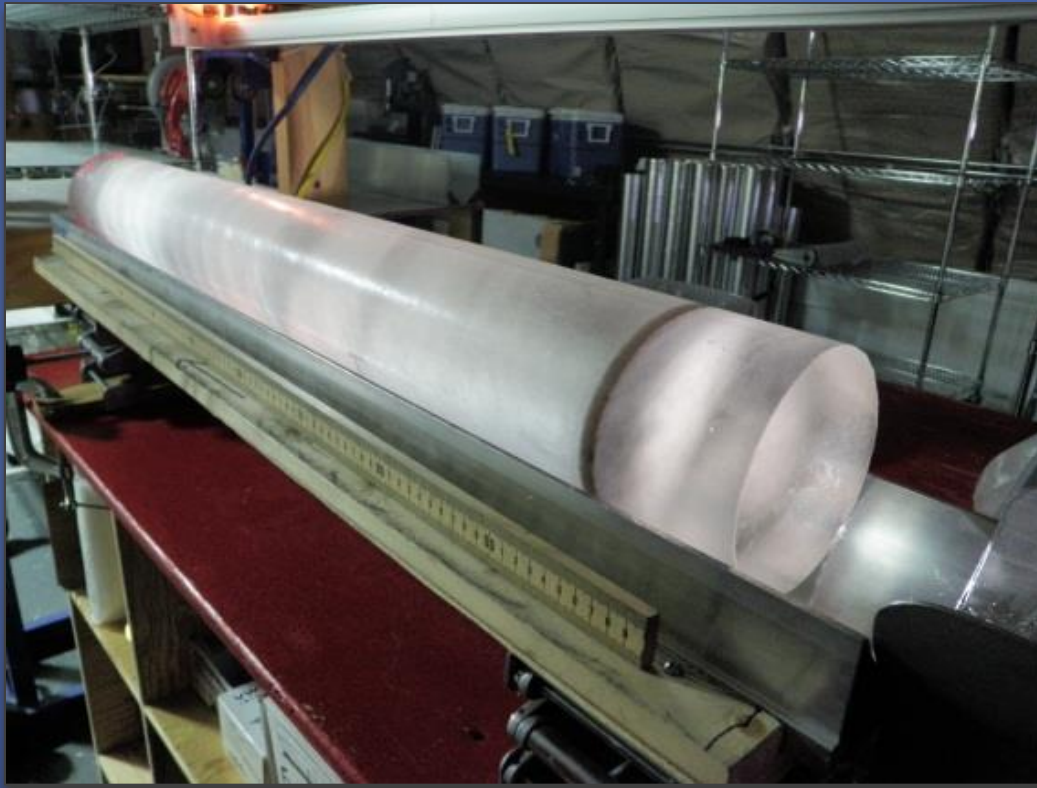


Modeling An Ice Core

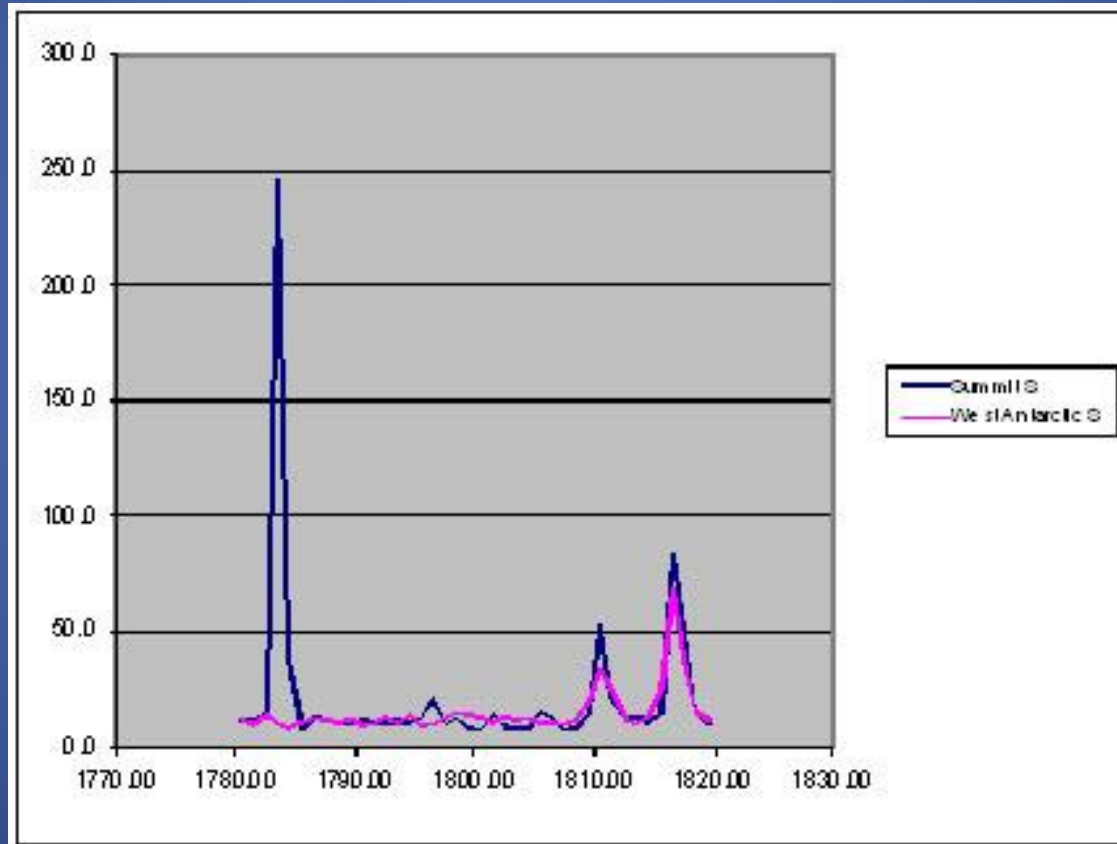


Snow builds in visible layers

Recent Core From WAIS



Critical Thinking About Results



Please give us feedback 😊

**THANK
YOU!**



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