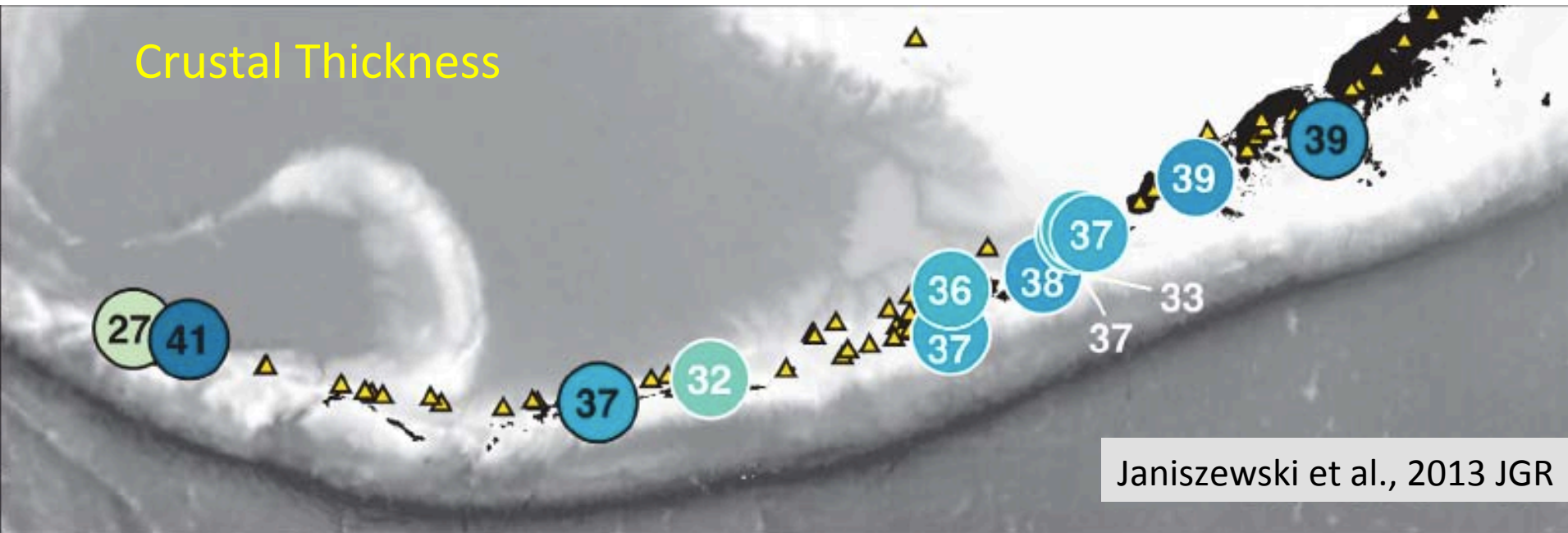


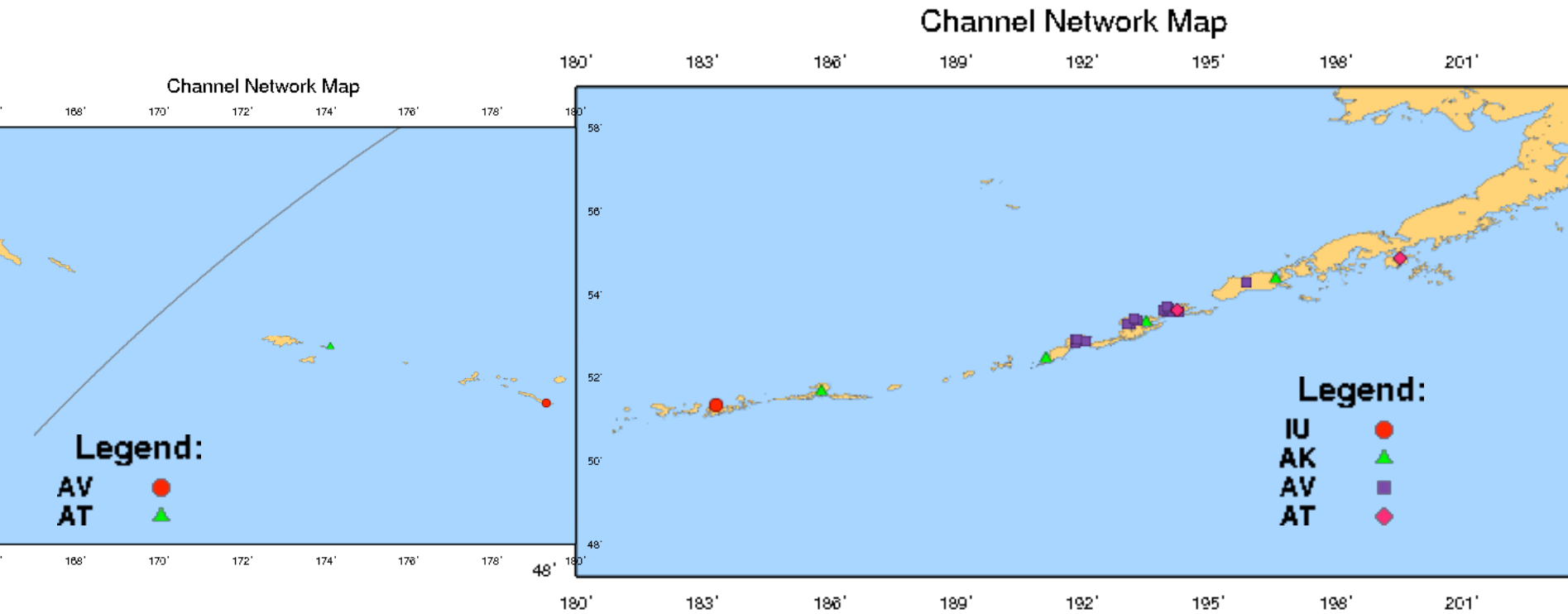
# AleutianFest: sites for passive-source seismology

This recent paper looked at data from *every* available broadband. Some are quite noisy.



*crustal thicknesses from receiver functions*

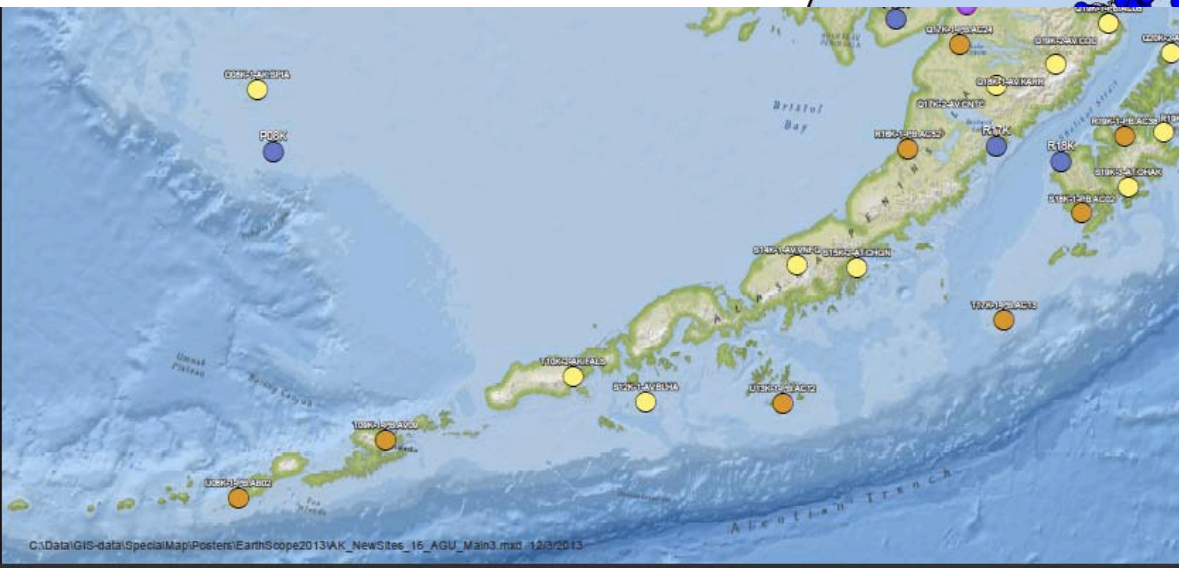
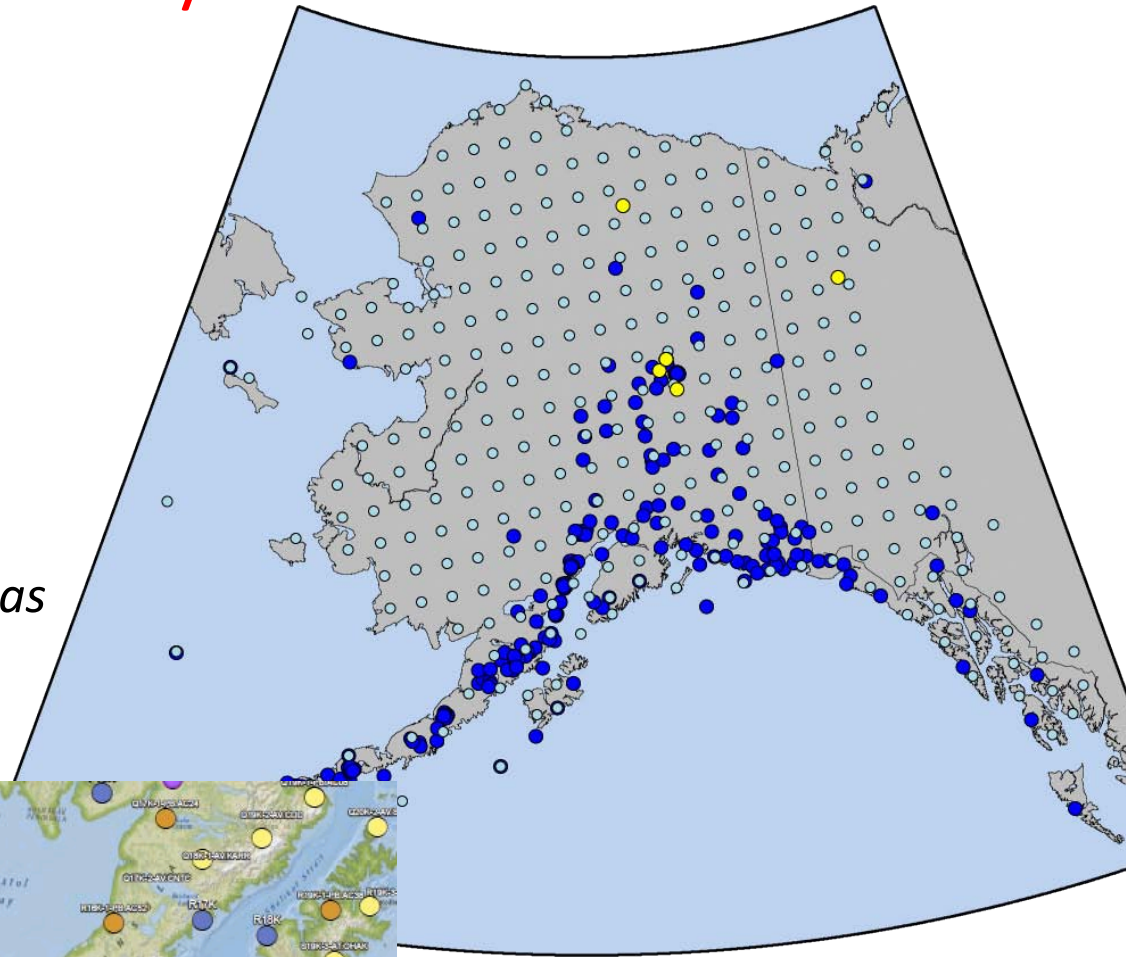
# Broadband stations in the IRIS database



*really, anywhere else would be great*

# current plans: TA in Alaska / Yukon

- ~290 sites
- 85 km spacing
- Broadband Seismometers
  - Infrasound, pressure
  - Met packages?
- Communications
- Fully deployed by 2017
- *Island sites first to be de-scoped as funding is cut*

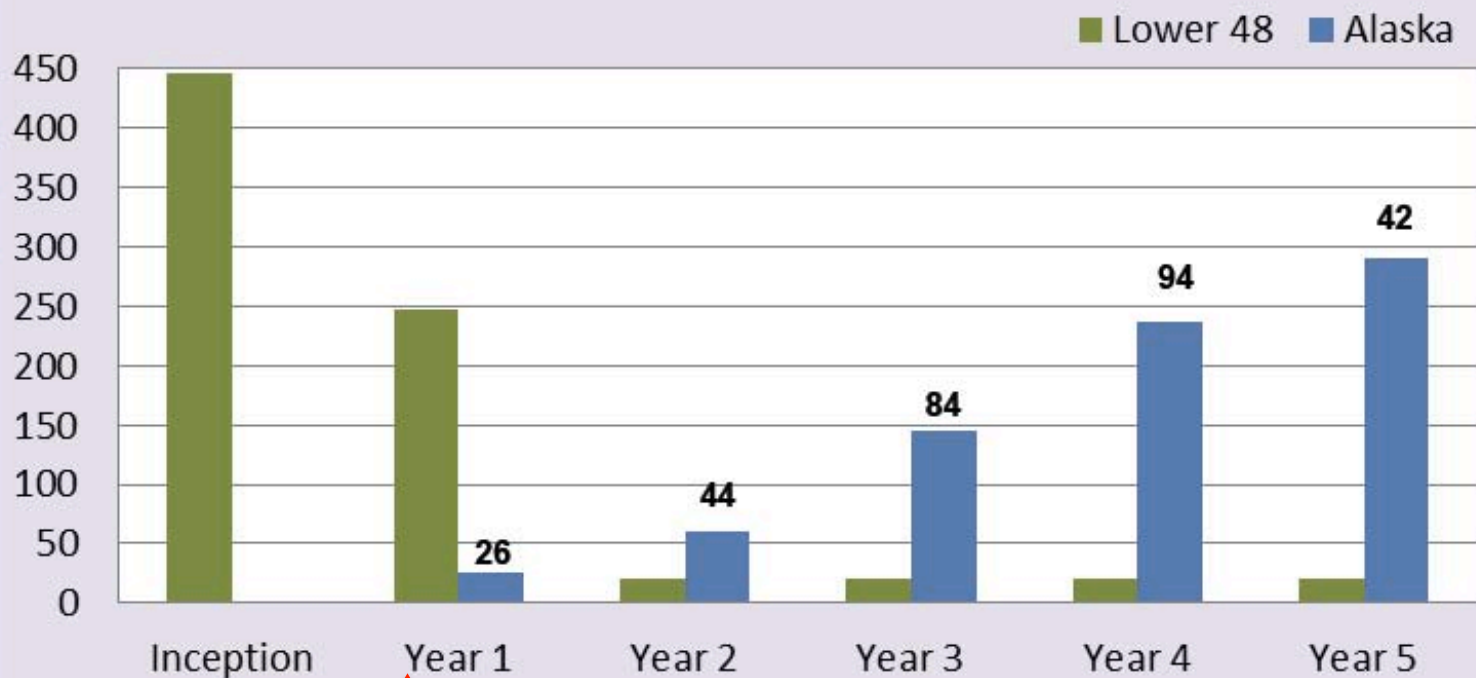


[www.usarray.org/alaska](http://www.usarray.org/alaska)

Or my webinar:  
<http://youtu.be/qo0Bh-qHkvc>



## Number of Stations Deployed



we are  
here FY14

[www.usarray.org/alaska](http://www.usarray.org/alaska)

5 m augered emplacement for AK/TA

# Sensor Emplacement



DMG2 Gas Powered Core Drill Rigs



12" maximum bit capacity



# My shopping list – MOOS(Kenai)

- Sensor
- Q330 digitizer
- power regulator
- cables, clock antenna, etc.
- 6x3v air cells/yr
- ½ bag cement + form
- 2 nested trash cans
- Insulation (foam board ++)
- rope, conduit, hardware
- Action Packer
- Cement mixing bucket, H2O
- Tools – electronic and digging
- Personal safety/comm
- *no solar panels!*



# The Cascadia Amphibious Array: Is this a way to get offshore seismometers?

- Cascadia operations end late 2015
- NSF tentatively indicates a desire for a community workshop, in about a year, to develop a science rationale for future deployments.... but
  - Have concerns about such a large multi-year commitment given limited resources
  - Huge benefits (and EAR buy-in) if complements EarthScope footprint through 2018
- Alaska, East Coast, or ...???
- divide up the facility?

# Aleutians vs Cascadia

