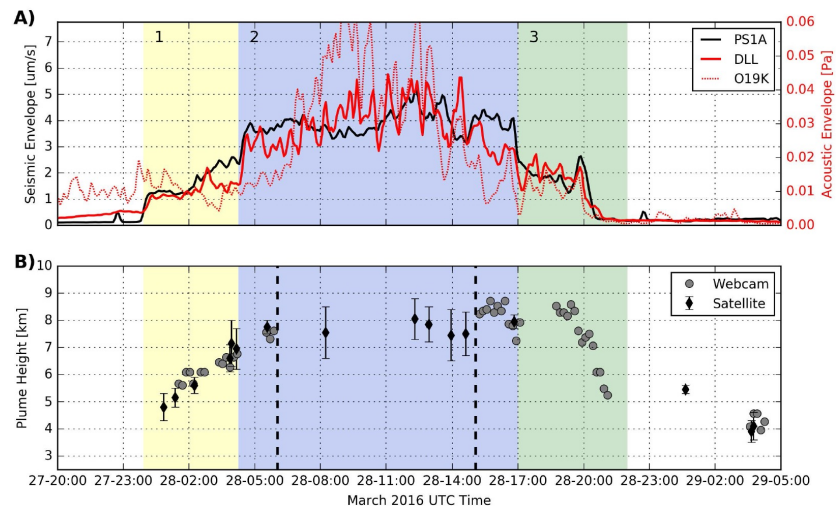


Transportable Array infrasound

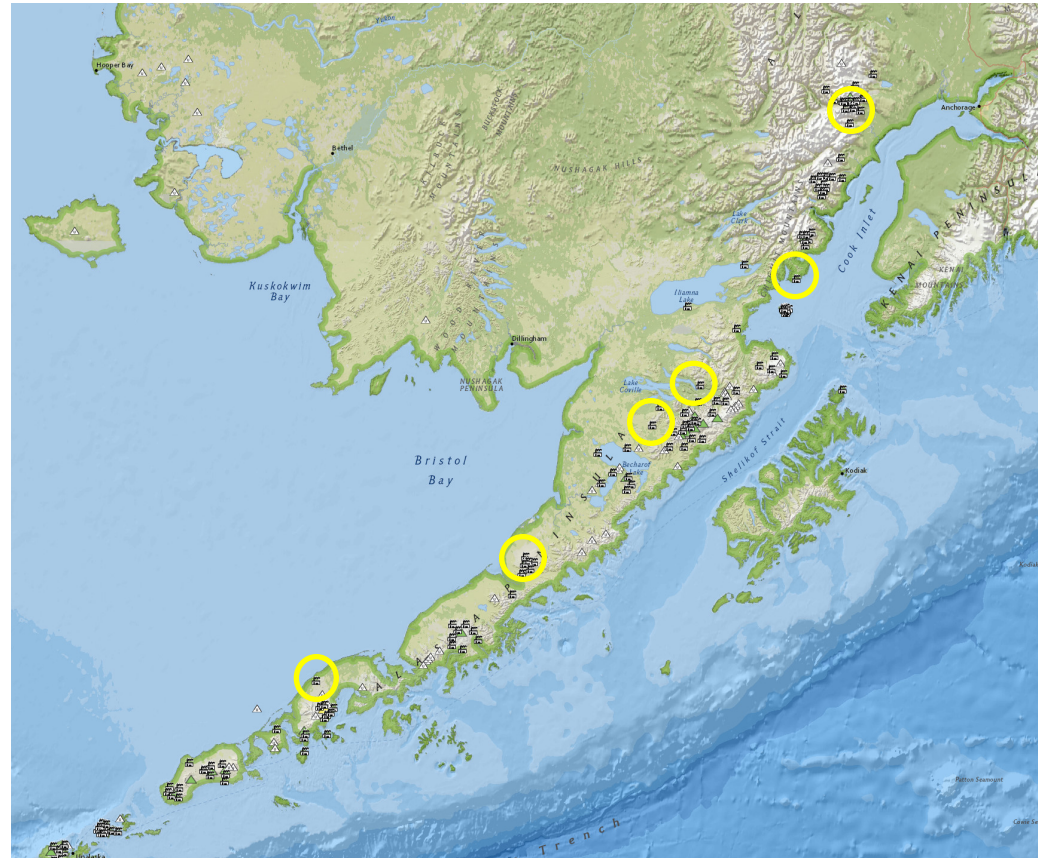
- Infrasound capability of US Array allows for remote detection of volcanic activity in Alaska



Geophysical and plume-height time series data from March 2016 Pavlof eruption (Fee et al., in revision)

AVO-TA sites in Alaska

- MOU exists between **EarthScope, USArray, IRIS** and **U.S. Geological Survey Volcano Science Center**
- There are a number of sites in Alaska where it made sense for the TA to collaborate with the Alaska Volcano Observatory (AVO) to upgrade an existing AVO seismograph station site to the standard TA configuration
- Sites upgraded successfully in 2016:
 - TA.Q17K / AV.CNTC
 - TA.Q18K / AV.KAHC
 - TA.S12K / AV.BLHA
 - TA.S14K / AV.VNFG
 - TA.N20K / AV.SPCR
 - TA.P19K / AV.OPT



PBO and volcano monitoring in Alaska

- 287 PBO stations currently contribute to volcano monitoring networks in the US (63 in Alaska)
- The loss of PBO stations, especially those close to High or Very High Threat volcanoes, would seriously degrade the Volcano Hazard Program's ability to make medium- to long-range forecasts of volcanic hazard.



PBO sites on Augustine

Volcano	Threat	GPS	Tilt	Total
Akutan	Very High	8	4	12
Augustine	Very High	9	0	9
Dutton	High	1	0	1
Korovin	High	1	0	1
Shishaldin	High	6	3	9
Westdahl	High	6	5	11
Adagdak	Moderate	1	0	1
Douglas	Moderate	1	0	1
Fisher	Moderate	1	1	2
Fourpeaked	Moderate	1	0	1
Moffett	Moderate	1	0	1
Roundtop	Moderate	4	0	4
Duncan Canal	Very Low	1	0	1
Isanotski	Low	5	2	7
Kookooligit Mountains	Low	1	0	1
St. Paul Island	Very Low	1	0	1
Totals:		48	15	63

PBO instruments on Alaskan volcanoes