

ALASKA ARCTIC OBSERVATORY & KNOWLEDGE HUB



OBSERVERS

The Alaska Arctic Observatory and Knowledge Hub provides tools, resources and scientific information for 7 northern Alaska coastal communities. Here we share highlights.

- 5 current (+ 2 previous) AAOKH observers in 3 communities
- ▲ Exploring observer opportunities in 4 additional partner communities
- ✓ 4 community-based steering group members, 5 University of Alaska Fairbanks affiliated steering group members



6843

OBSERVATIONS

AAOKH observations focus on sea ice, wildlife and coastal waters. They contribute to, and are stored in, the NSF-funded Exchange for Local Observations & Knowledge of the Arctic.

1734

Community-based AAOKH observations (2016 onward)

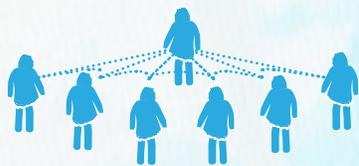
5109

Historic database (2006-2016) of local observations- Seasonal Ice Zone Observing Network

12

OUTREACH EVENTS

AAOKH connects with scientists & communities at workshops, tribal conferences, co-management meetings, scientific conferences & community events.



170

YOUTH REACHED

Recent youth activities in Utqiagvik and Kaktovik include sea ice field trips, classroom visits, and flying camera kites to observe sea ice change.

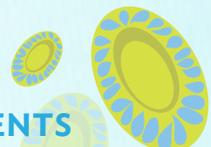


99

OCEAN MEASUREMENTS

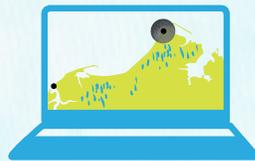
AAOKH observers also gather data on ocean conditions. The conductivity, temperature, depth measurements help identify when fresh water or warmer water is in the water column.

The ocean measurements also show the amount of chlorophyll (from phytoplankton) in the water. This shows how productive the ocean is.



@arcticAOK

637 facebook followers from 36 Alaska communities. The largest following, of 138, from Utqiagvik.



MAPPING TOOL

AAOKH released a new mapping tool to visualize local observations and photos along with ice condition data.



PUBLICATIONS

AAOKH data and concepts published in 1 scientific manuscript, 2 in prep, 3 reports & 6 pending proposals with project links.



NEWSLETTER

2907 AAOKH newsletters mailed to box holders in the seven AAOKH communities.

Learn more at arctic-aok.org