

ALASKA ARCTIC OBSERVATORY & KNOWLEDGE HUB



OBSERVERS

The Alaska Arctic Observatory and Knowledge Hub provides tools, resources and scientific information for northern Alaska coastal communities.

- 6 current (+ 3 previous) AAOKH observers in 5 communities
- ▲ Part of the network, but no active observers
- ✓ 4 community-based steering group members, 5 University of Alaska Fairbanks affiliated steering group members



9615

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.

4351

Community-based AAOKH observations (2016 onward)

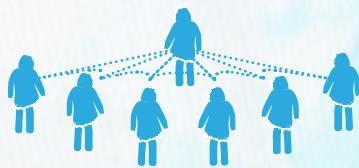
5264

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

33

OUTREACH EVENTS

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



3

INDIGENOUS SCHOLARS

AAOKH supports education opportunities for Indigenous scholars. The network currently supports 1 Alaska Native undergraduate student and 2 graduate students. This number is expected to continue growing.

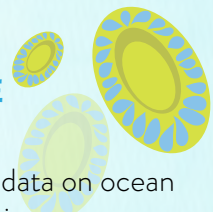


218

OCEAN, SNOW & ICE MEASUREMENTS

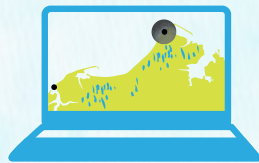
AAOKH observers gather data on ocean conditions. Their conductivity, temperature, depth (CTD) measurements provide information on ocean warming and timing of freshwater inputs. They also measure the amount of chlorophyll in the water. This reveals how productive the ocean is.

In some locations AAOKH observers measure snow depth and sea ice thickness.



@arcticAOK

2131 Facebook followers from 46 Alaska communities and 45 countries. Largest following (320) from Utqiagvik.



VISUALIZATIONS

AAOKH's 2019 mapping tool helps visualize local observations, photos and ice data. A new story map is in development for 2021.



PUBLICATIONS

AAOKH data and concepts published in 1 scientific manuscript, 2 in prep, 3 reports. 3 collaborative proposals funded, 2 pending.



NEWSLETTER

5 AAOKH newsletters mailed to 3131 box holders in the seven AAOKH communities.

Learn more at arctic-aok.org