

Latest news from the Alaska Ocean Observing System

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AOOS Summer eNews

NWS 5-Day Sea Ice Forecast Layer Now Updated



National Weather Service (NWS) 5 Day Sea Ice Forecast layer

A 'shorefast ice' category is now available in the AOOS Data Explorer, due to an enhancement of the National Weather Service's sea ice forecast. You can also now find additional archived sea ice maps, and colors that match World Meteorological Organization standards. Additionally, the loading speed of these layers has been increased by a factor of 5 (from 2.5 to 0.5 seconds). Check out the [sea ice forecast](#).

AOOS Short Ocean Film Contest Open

Enter a film in the AOOS 4th Annual Short Ocean Film contest!

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- Films must be under 10 minutes
- Deadline for submission, September 15, 2017
- [Submission rules & instructions](#)
- Need ideas? Check out previous entries and winners: [2014](#), [2015](#), [2016](#)



Warming Waters and Shifting Species



The Seward Line: Marine Ecosystem Monitoring in the Northern Gulf of Alaska project was started in 1997 has been partially funded by AOOS since, and is the most comprehensive long-term multidisciplinary sampling program in the Coastal Gulf of Alaska. Dr. Russell R. Hopcroft of UAF completed the most recent sampling cruise this spring and has observed these long-term changes:

- The Gulf of Alaska is experiencing long-term warming and increased intensity of stratification.
- The synergistic effect of the 2016 El Niño building upon the Blob resulted in temperatures that exceeded those of both the 1997/98 and 2003 El Niño events.
- Changes are occurring near the base of the food web including the introduction of additional trophic levels and new smaller species adapted to warmer conditions.
- It is notable that despite high interannual thermal variability, many of the dominant zooplankton species in the GOA remain resilient to this variability, and do not show variability easily attributable to simple temperature forcing.

Oceans '17 in Anchorage for Fall 2017

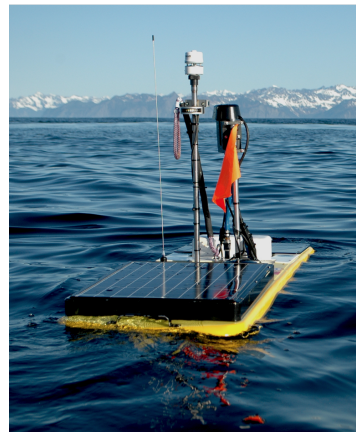


The OCEANS'17 Conference will be in Anchorage September 18-21, 2017. Over 540 abstracts were accepted for the upcoming conference. 12 half-day tutorials and workshops are scheduled, and 16 special sessions, workshops and town halls will be embedded throughout the technical program over the following days. [More information.](#)

Alaska Ocean Acidification Network Builds Momentum

Alaska OA working groups have been active:

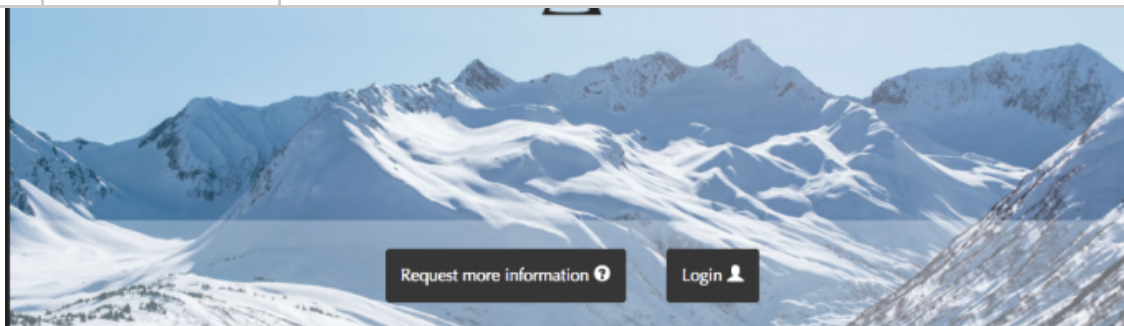
- The steering committee is planning a fall meeting to develop an OA monitoring build-out plan for Alaska.
- The fishing working group is collaborating with United Fishermen of Alaska and developing materials and events for fishermen.
- K-12 education group held a discussion with teachers about their approach and needs for teaching OA in the classroom.
- The policy group is working on advancing OA awareness and engagement in Alaska.
- The outreach group produced a new [OA 2-pager](#), and is identifying new partners.
- More: [Alaska Ocean Acidification Network](#)



Meet the New AOOS Research Workspace

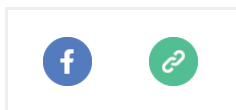
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The team at Axiom Data Science has updated the Research Workspace with their latest technology. This new platform offers many features to improve data management and collaboration across all stages of scientific programs. This technology promises to help accelerate the power of data sharing, documentation, and analysis among research collaborators.

The new version of the Workspace incorporates feedback from the user community and would not have been possible without key partners, including AOOS, Integrated Ocean Observing System (IOOS), North Pacific Research Board (NPRB), Exxon Valdez Oil Spill Trustee Council’s Gulf Watch Alaska and Herring Research and Monitoring programs, and the Prince William Sound Science Center. [More information.](#)



*Best regards from Molly McCammon, Carol Janzen, Darcy Dugan, Holly Kent, and Rob Bochenek
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