

AICC Chair Report

Lee Cooper

Chesapeake Biological Lab

University of Maryland Center for Environmental
Science, Solomons Maryland

Rainier Room, US Coast Guard Base

November 19, 2015

UNOLS Council Activities

- * New safety standard for UNOLS vessels issued (July)
- * New Chair, Fleet Improvement Committee (August)
- * UNOLS Fleet Improvement Plan (November)
- * Annual Meeting of UNOLS and UNOLS Council (December)

Our Meeting, June 9, 2015

Via Teleconference

Topics

- * Alaska Maritime Prevention & Response Network (<http://www.ak-mprn.org/>)
- * Pre-brief for Arctic GeoTRACES cruise 2015
- * Habitability improvements to Healy berthing
- * Icefloe website improvements
- * Local Alaska community relations
- * Oden use in 2015 and beyond
- * Agency, STARC and Coast Guard reports
 - * Early planning new Coast Guard icebreaker
- * Long-term committee leadership

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Arctic Geotraces Cruise using Healy

U.S. Arctic GEOTRACES

USCGC HEALY (HLY1502)

09 August, 2015 - 12 October, 2015

Dutch Harbor, Alaska - Dutch Harbor, Alaska

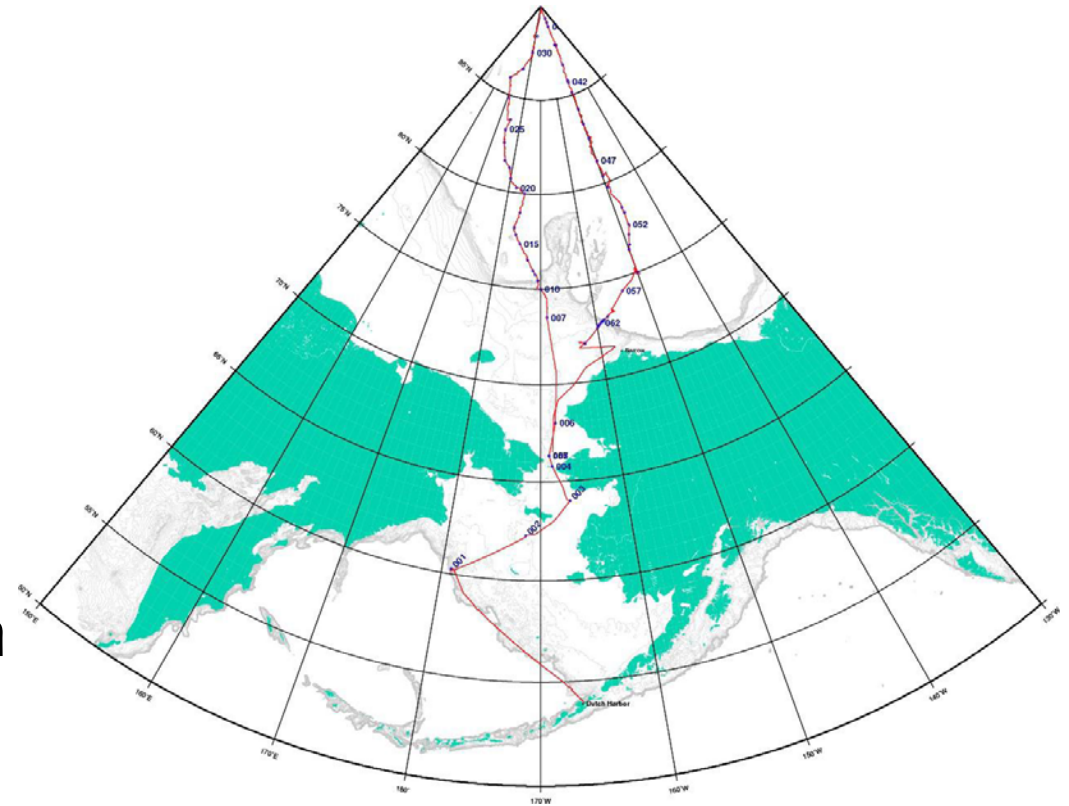
**Chief Scientist: Dr David Kadko
Florida International University**

**Co-Chief Scientist: Dr William Landing
Florida State University**

First unescorted US
surface vessel to reach
North Pole

Full science
complement onboard
ship and ambitious
scientific sampling plan

Lengthy cruise



GEOTRACES Cruise Report
October 2015

AICC Committee Outgoing Members

- * Luc Rainville, University of Washington
- * Karen Frey, Clark University
- * Larry Mayer, University of New Hampshire
- * Jeremy Mathis, NOAA
- * Robin Muench, Earth and Space Science (past chair)

AICC Committee

New Membership, Fall 2015

- * *Bob Campbell* will be new Chair
- * Sam Laney, WHOI
- * Carolyn Ruppel, USGS
- * *Mike Lomas*, Bigelow
- * Ola Persson, CU-Boulder
- * Jeff Welker, UAA
- * *Chris Polashenski*, CRREL
- * Russ Hopcroft, UAF (ex-officio, UAF Sikuliaq Ship Committee)
- * *Doug Russell*, University of Washington (ex-officio, RVOC)
- * *Steve Hartz*, UAF (ex-officio, UAF, RVTEC)
- * *Lee Cooper*, UMCES (past chair)

Italics: carry-over members from before 2015

Japanese research vessel cruise in 2015

R/V Mirai Arctic cruise in September-October 2015

"Observational Studies on the Arctic Ocean Climate and Ecosystem Variability"

PI: Dr. S. Nishino (JAMSTEC)

[Tentative cruise plan]

August 25: Hachinohe
(JAPAN)

September 4: Bering Str.

**Observations
in the Arctic
Ocean**

October 3: Bering Str.

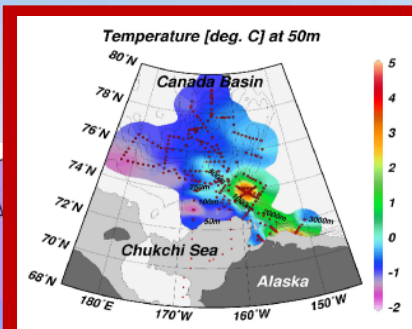
October 6: Dutch Harbor (in)

October 9: Dutch Harbor
(out)

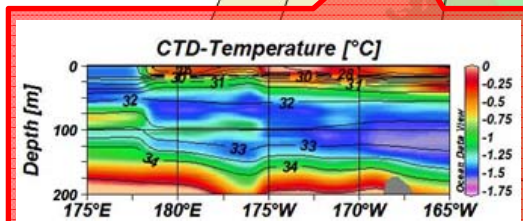
October 21: Hachinohe
(JAPAN)



R/V Mirai (JAMSTEC)



Large warm-core eddy & its impact to marine ecosystem
Kawaguchi et al. [2012]
Nishino et al. [2011b]



Impact from Siberian shelf water & the inter-annual variability
Nishino et al. [2008, 2013]

Intensive obs. of eddy & shelf-break jet by CTD/LADCP/water sampling and TurboMAP

Alaska Maritime Prevention & Response Network (<http://www.ak-mprn.org/>)

- * Oil spill risk reduction effort
- * Vessels required to join network
- * Once a member, agree to not sail within 12 miles of Alaska
- * Navigation exceptions approved by Coast Guard
- * No work in ice
- * “Public” vessels exempt
- * Conference call held with Coast Guard April 17
- * NSF (Kelly Falkner and Renee Crain) informed and involved
- * Waiver requested for MIRAI; awaiting response from Coast Guard (District 17)

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<input type="checkbox"/> Shigeto NISHINO	Apr 2, 2015	Re: Restricted areas in DBO lines and overall acce...

Dear Jessica, Arnold, and Eugene, Thank you for your information. After 15 September, we will apart from the Pt. Barrow more than 50 miles. And thank you for letting me know the new e-mail address of Mr. Arnold Brower. If Mr. Eugene Brower also changed the e-mail address, please let me know. I will send e-mails to them when we will conduct our research in the Arctic Ocean (from 3 Sep to 3 Oct). Sincerely yours, Shige