

AICC Chair Report

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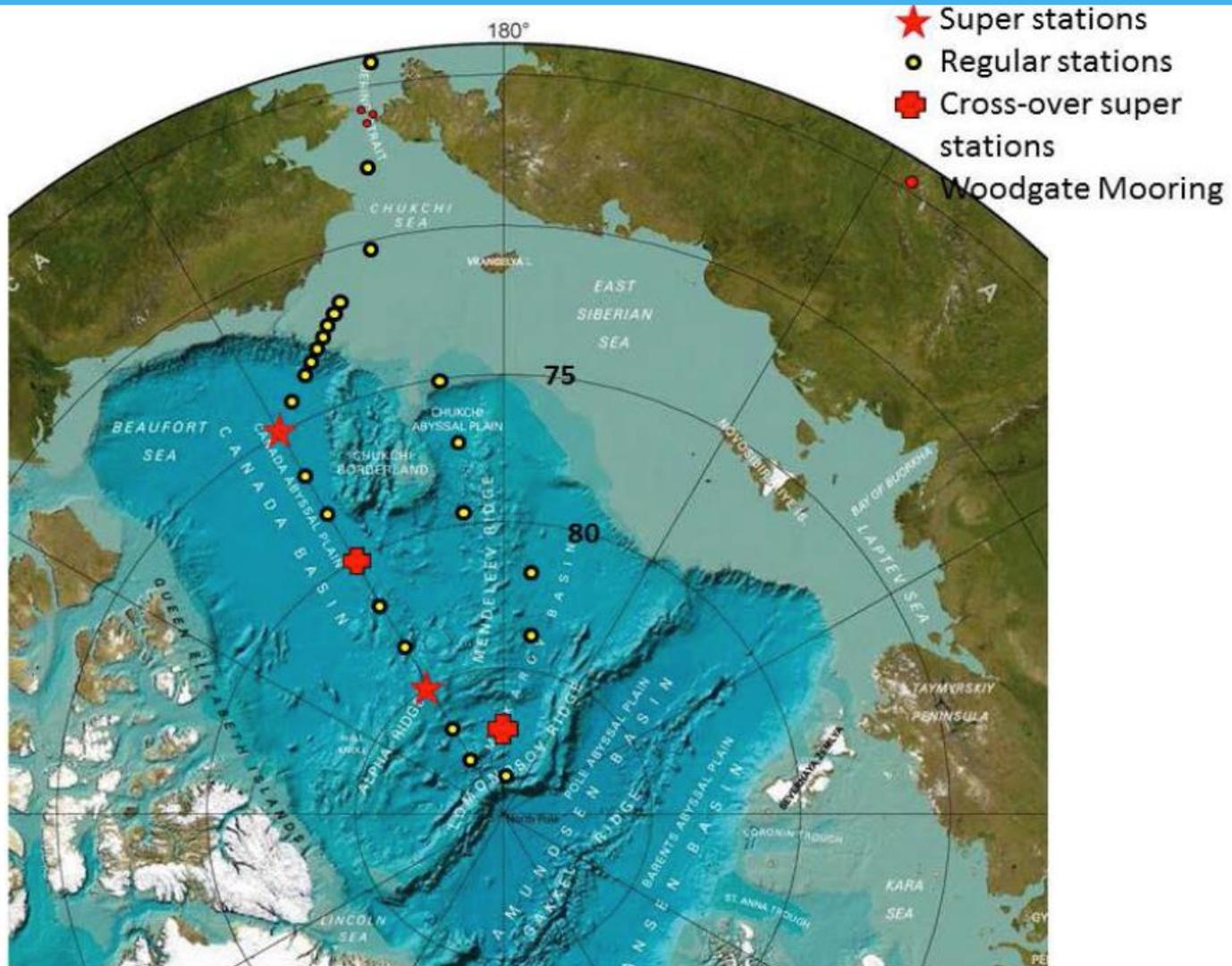
AICC Teleconference,

June 9, 2015

Arctic Geotraces Cruise using Healy

Dave Kadko,
Florida
International
University is
Chief
Scientist

August-
October 2015
Dutch
Harbor-
Dutch
Harbor
Ship is full



CCGS Amundsen



Participated as new Board of Directors member
Tenth Meeting of the Board of Directors
February 10th, 2015
1000 de La Gauchetière West, Montréal, QC

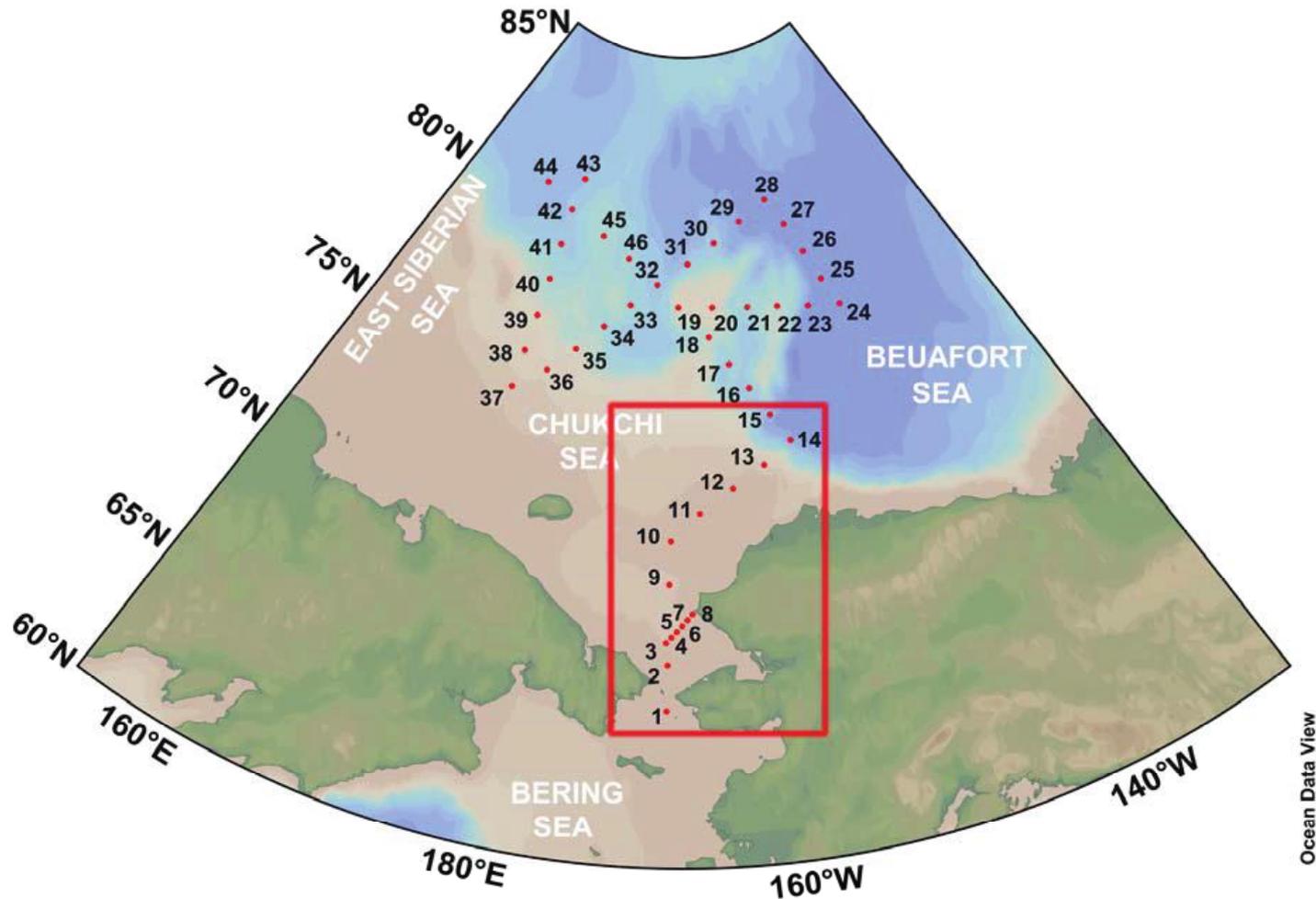
US Swedish Planning Workshop on Joint Arctic Research Using the I/B Oden

- * March 30 – April 1, 2015, Sigtuna, Sweden
- * 15 scientists from each country participated
- * Two AICC members, Bob Campbell and Larry Mayer
 - * Report available
- * Oden use in 2015 (Petermann Glacier in Greenland)
- * Atmospheric oriented joint cruise in 2017 or 2018
- * Options for additional joint use in future years
- * Increases flexibility for funding cruises in the North Atlantic Arctic

Change of Command Ceremony USCGC Healy

- * Captain John Reeves to
Captain Jason Hamilton
- * June 5, 2015
- * Luc Rainville attended to represent
the AICC

RV Araon cruise plan 2014



Attachment 1. Map of proposed sampling site (red dots) and area of US waters (red box)

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)

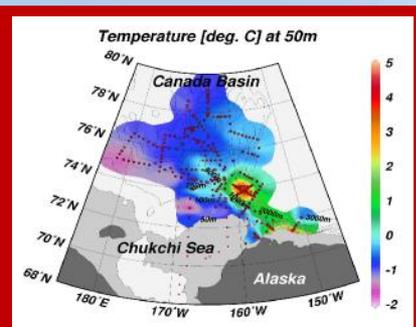
Japanese research vessel cruise in 2015

R/V Mirai Arctic cruise in September-October 2015

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

PI: Dr. S. Nishino (JAMSTEC)

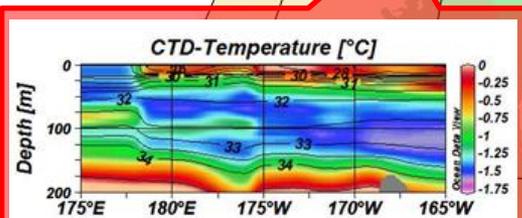
R/V Mirai (JAMSTEC)



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

Revisit obs.

Siberian shelf-basin interaction



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

[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)

JAMSTEC moorings in the Chukchi Sea and Canada Basin

Sediment trap in the Canada Basin

CAP-12t; 75d 12.371m N, 172d 32.919m W, 447m dep
 NAP-12t; 75d 00.171m N, 162d 00.182m W, 1971m dep
 NAP-13t; 74d 31.361m N, 161d 55.592m W, 1681m dep

→ Recovered

At the mouth of Barrow Canyon

BCW-14; 71d 47.742m N, 155d 20.750m W, 170m dep.
BCC-14; 71d 43.585m N, 155d 11.108m W, 283m dep.
BCE-14; 71d 40.353m N, 154d 59.742m W, 106m dep.

→ Recovered and Re-deployed

Barrow Canyon close to DBO-5 line

BCH-14; 71d 18.920m N, 157d 08.802m W, 62m dep.

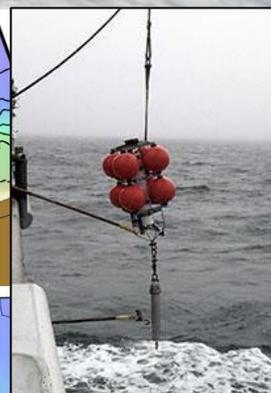
→ Recovered and Re-deployed

Hope Valley in the southern Chukchi Sea (DBO-3)

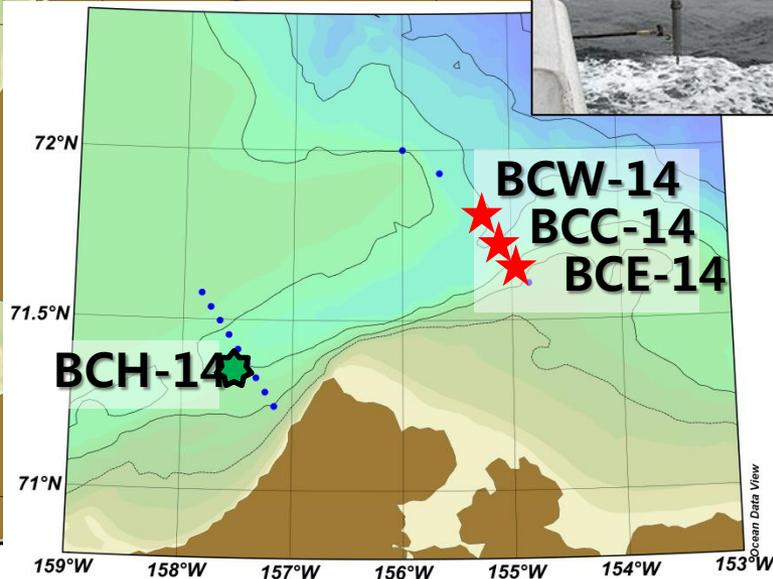
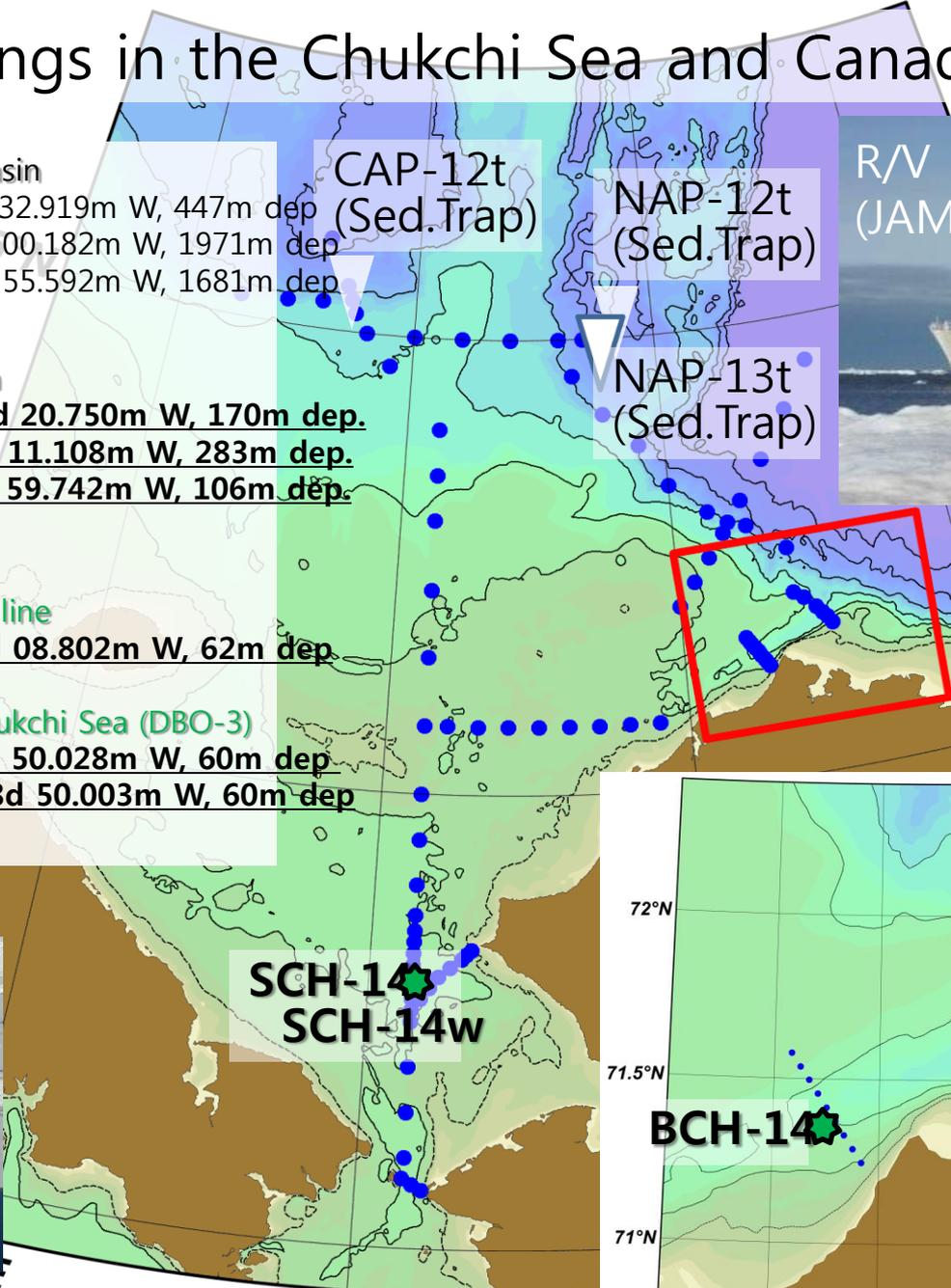
SCH-14; 68d 02.002m N, 168d 50.028m W, 60m dep.
SCH-14w; 68d 03.006m N, 168d 50.003m W, 60m dep.

→ Recovered and Re-deployed

R/V Mirai
(JAMSTEC)



CCGS S. W. Laurier



Ocean Data View

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