



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Canadian activities in the Pacific Arctic Region

2014 Report to the Pacific Arctic Group

Seattle WA, October 2014

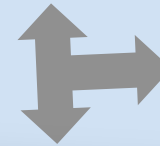
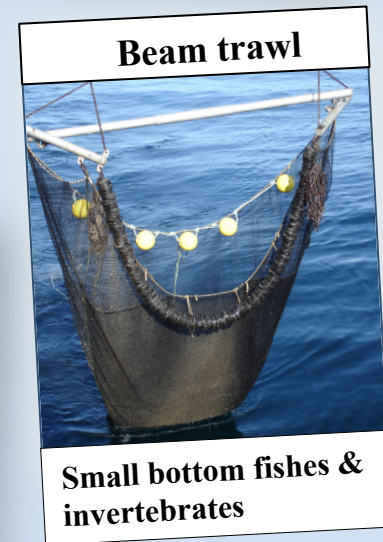
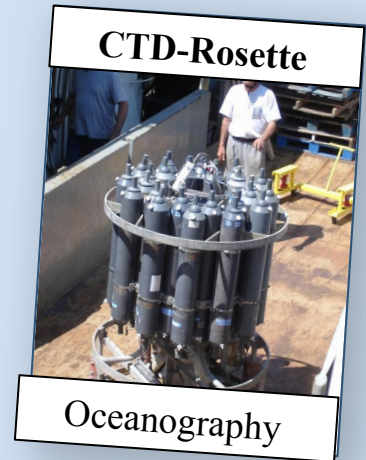
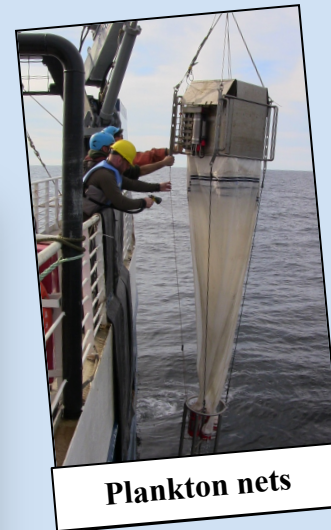
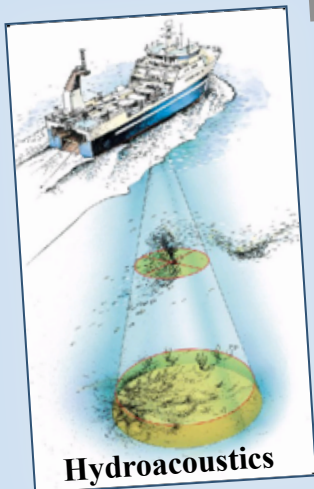


Canada

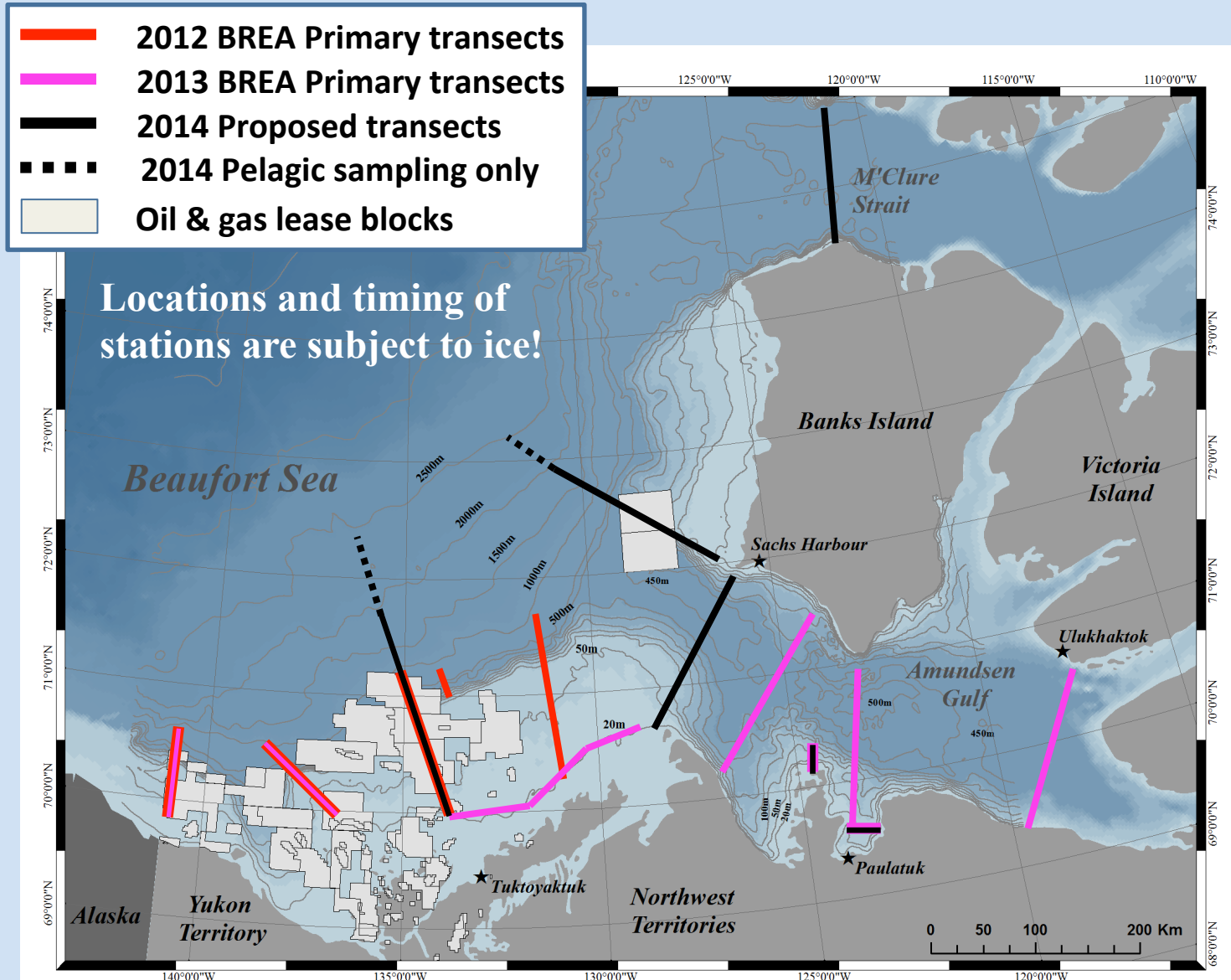
Other Sampling Equipment – 2012 & 2013

Fishes

Habitats & Foodweb



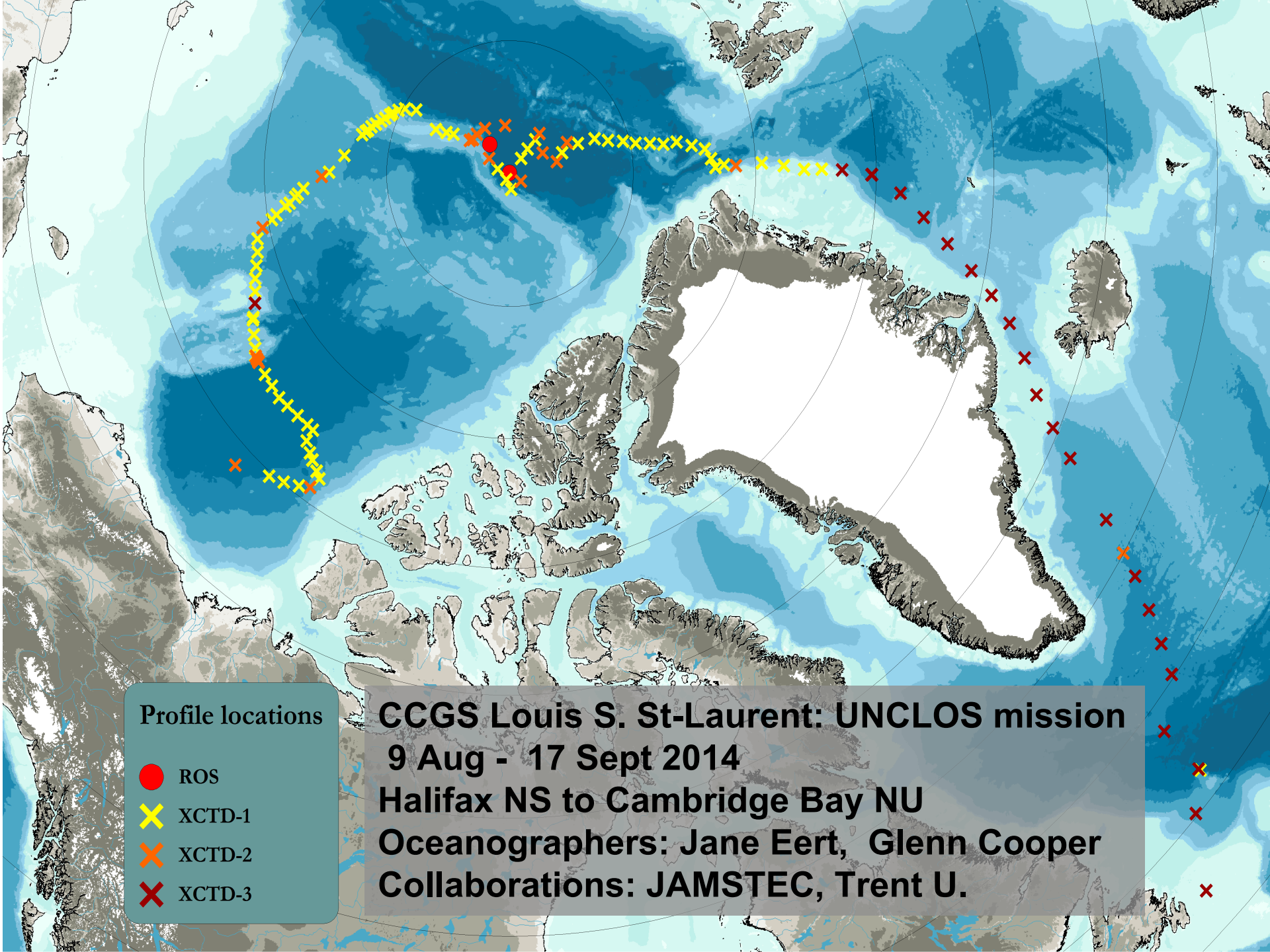
Beaufort Sea Marine Fishes Sampling 2012 - 2014





LOUIS S. ST-LAURENT

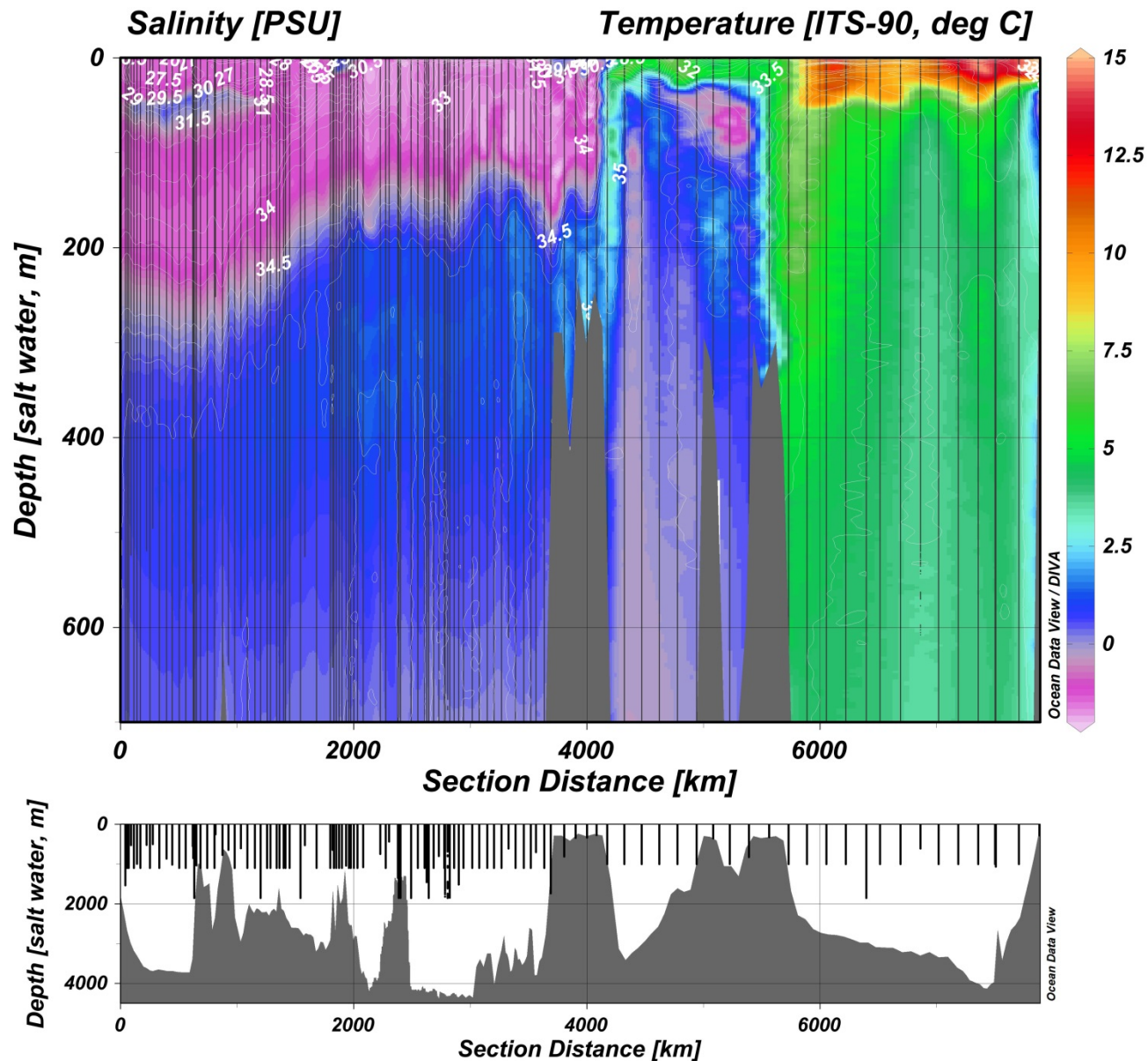
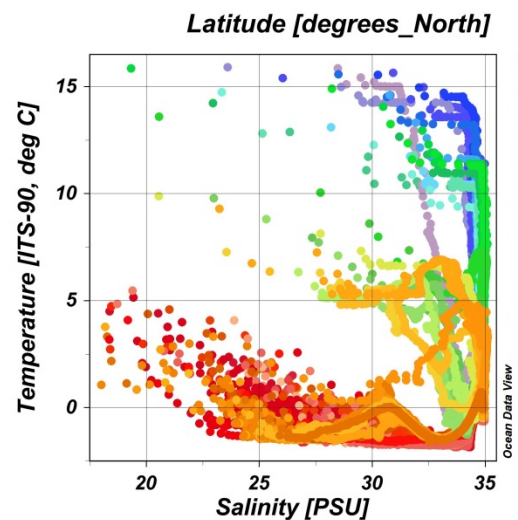
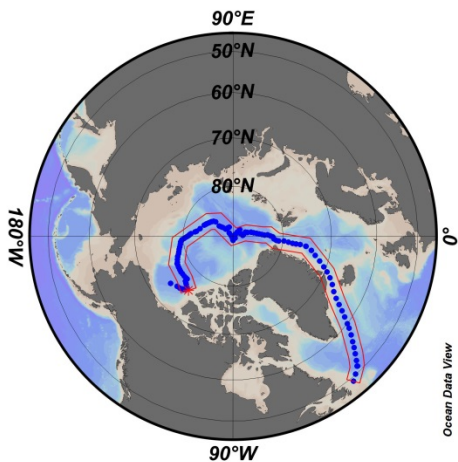
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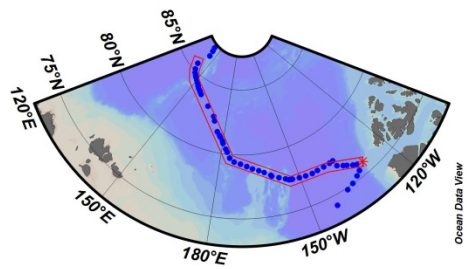


Profile locations

- ROS
- × XCTD-1
- × XCTD-2
- × XCTD-3

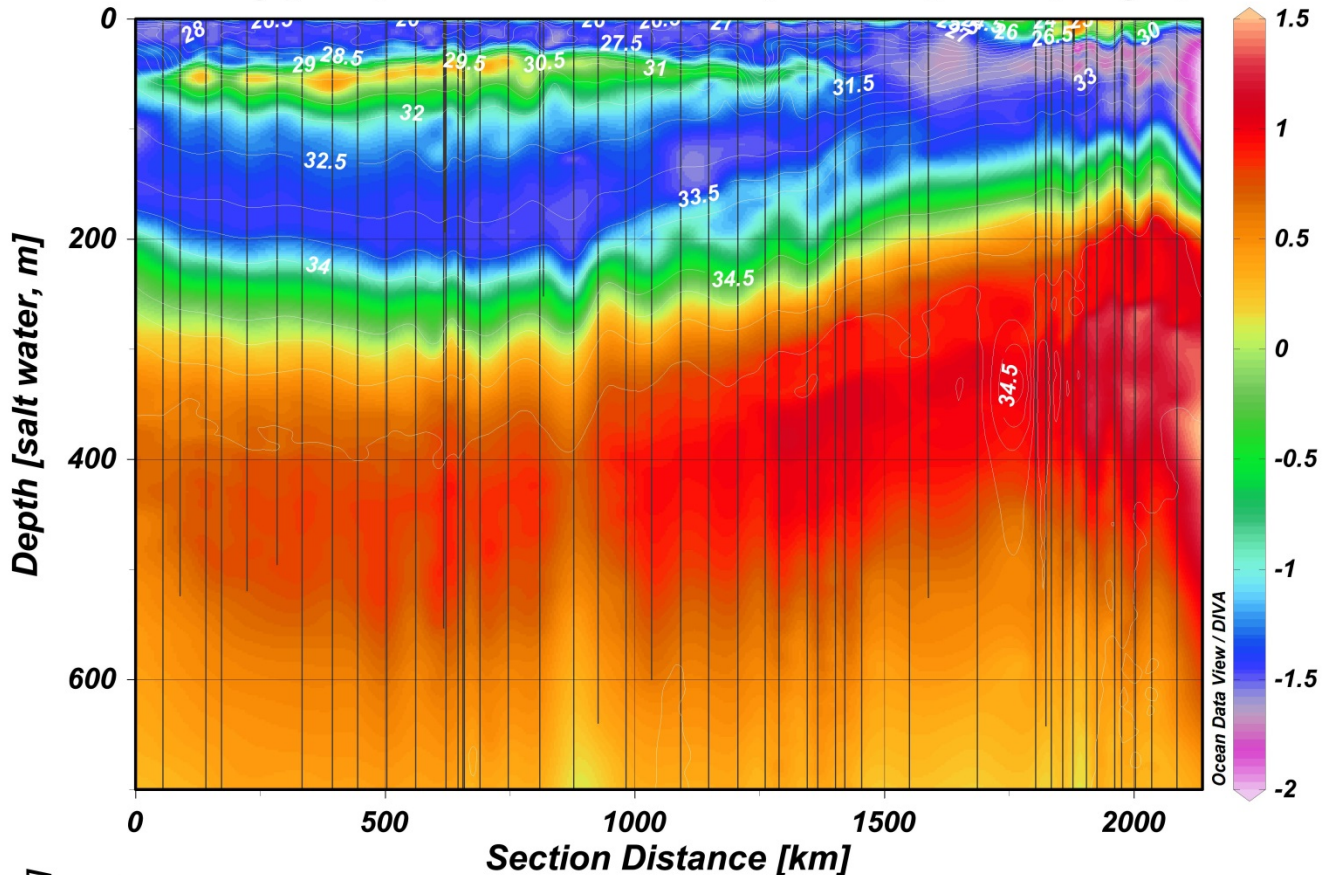
CCGS Louis S. St-Laurent: UNCLOS mission
9 Aug - 17 Sept 2014
Halifax NS to Cambridge Bay NU
Oceanographers: Jane Eert, Glenn Cooper
Collaborations: JAMSTEC, Trent U.



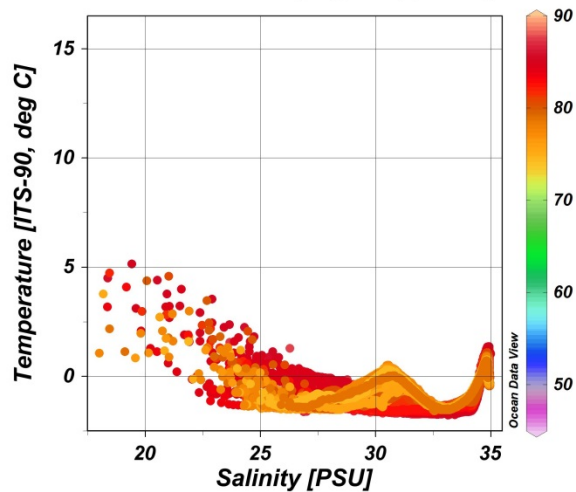


Salinity [PSU]

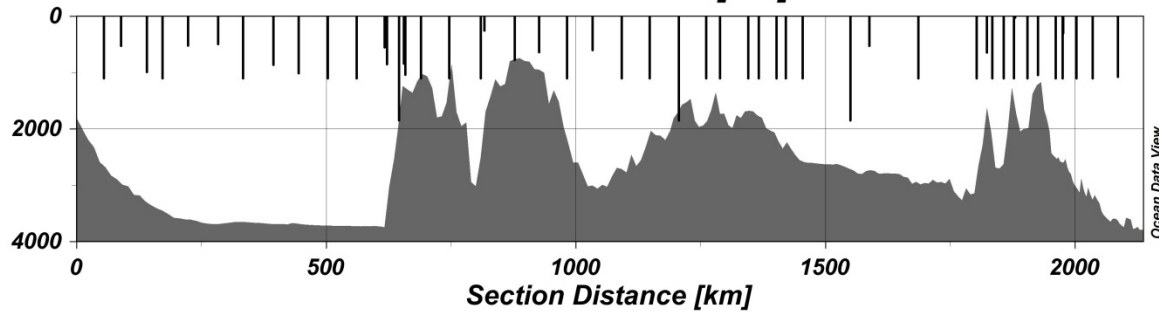
Temperature [ITS-90, deg C]



Latitude [degrees_North]



Depth [salt water, m]



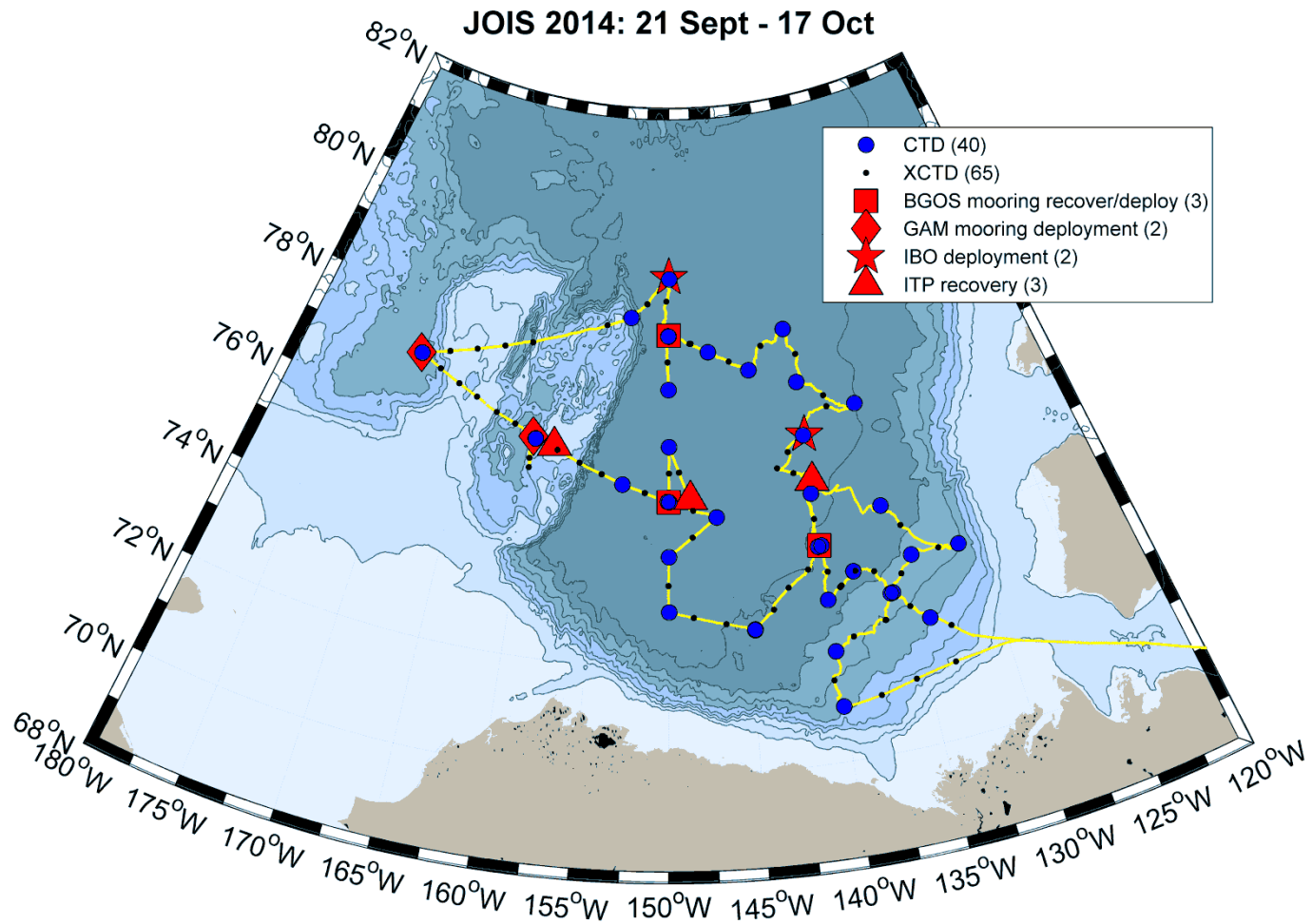
CCGS Louis S. St-Laurent: JOIS/AON-BGOS mission

21 Sept - 17 Oct 2014

Cambridge Bay NU to Kugluktuk NU

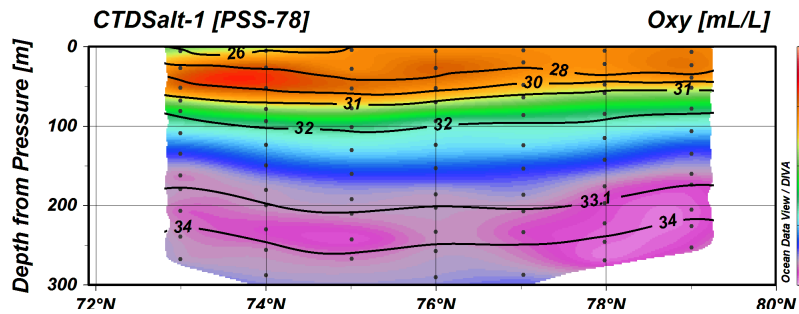
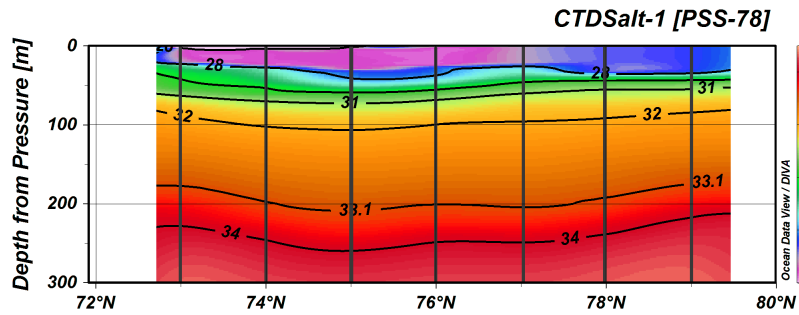
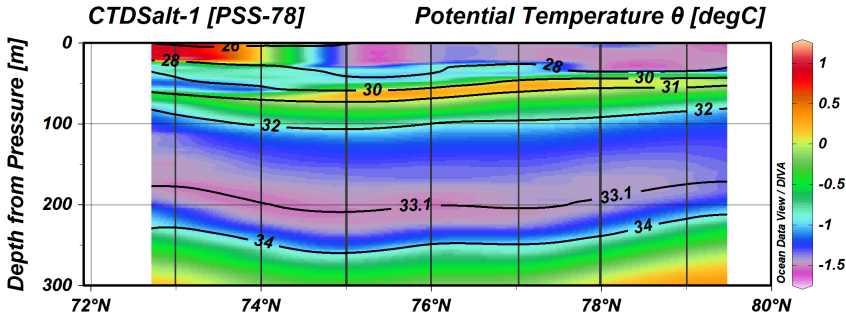
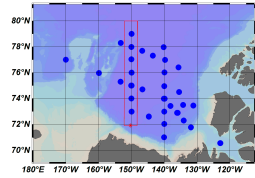
Chief Scientist: Bill Williams

Collaborations: WHOI, NSF, NIPR-GRENE, JAMSTEC, others

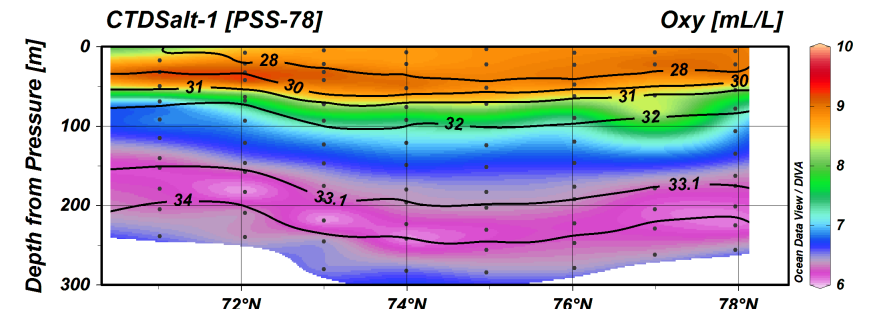
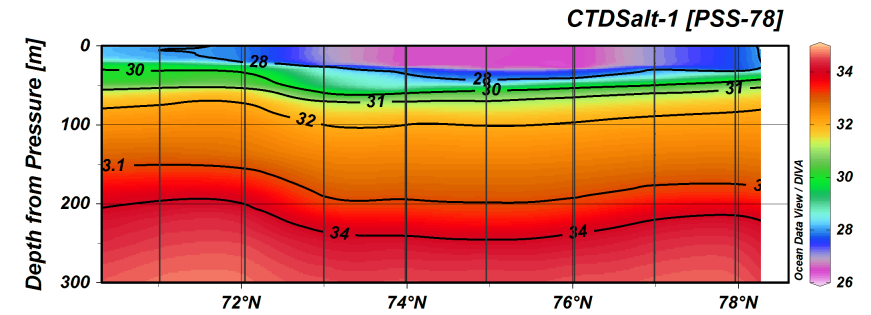
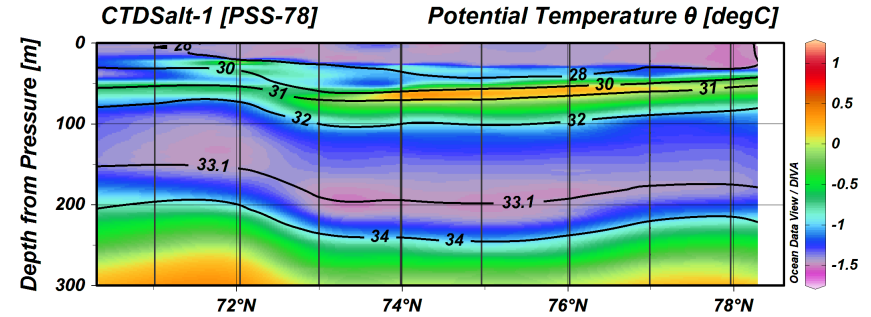
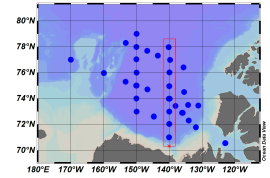


Surface and Pacific Waters

150W Section

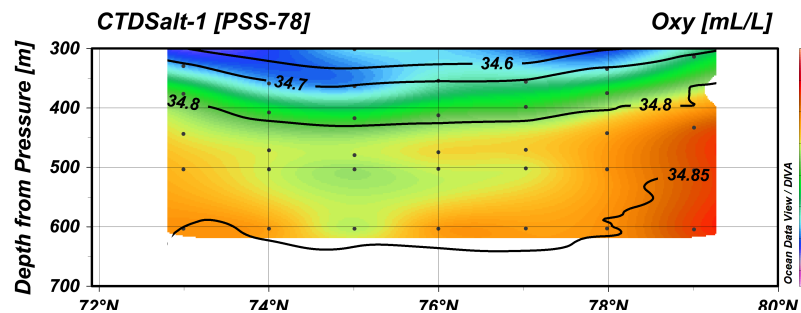
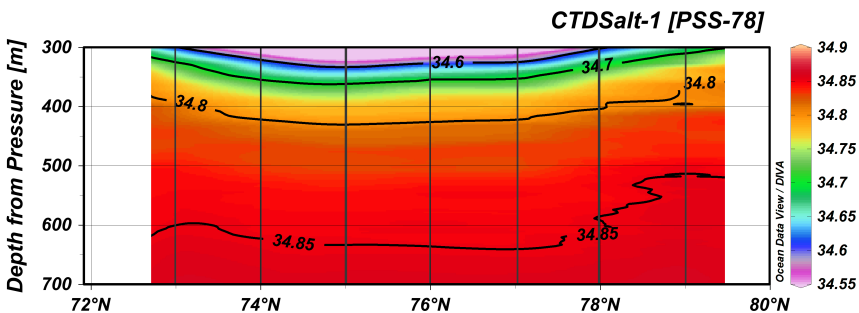
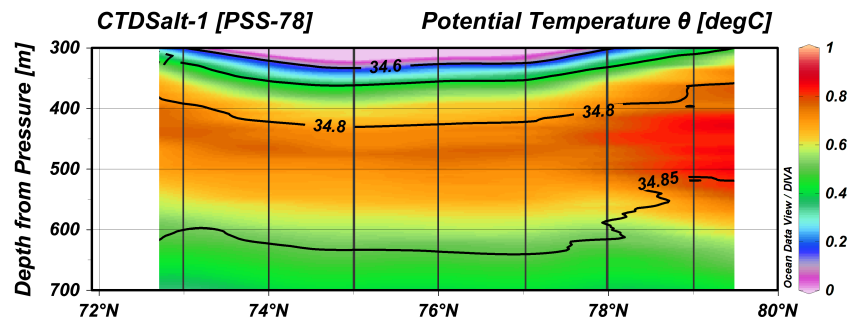
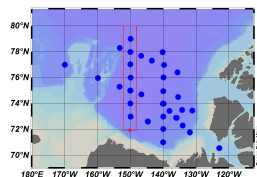


140W Section

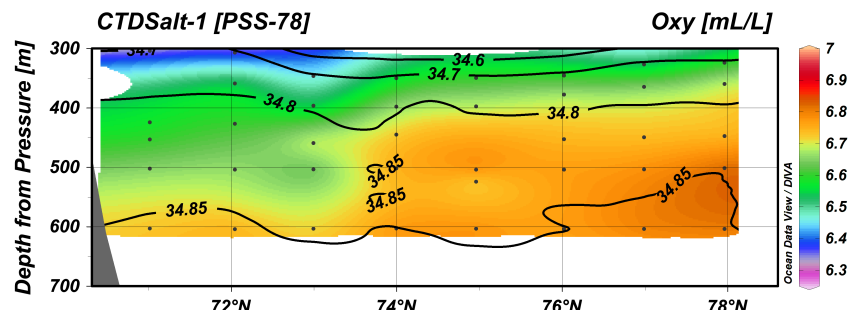
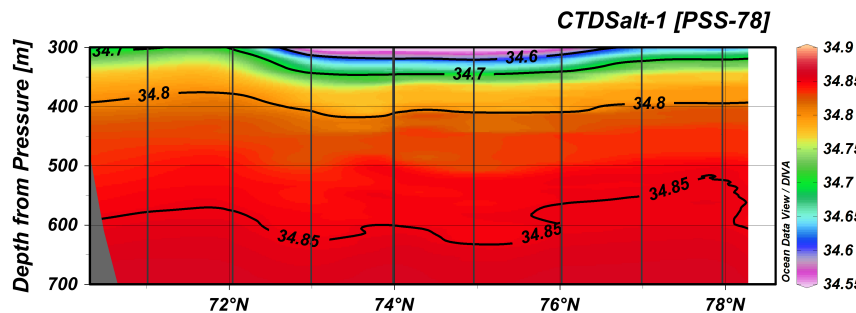
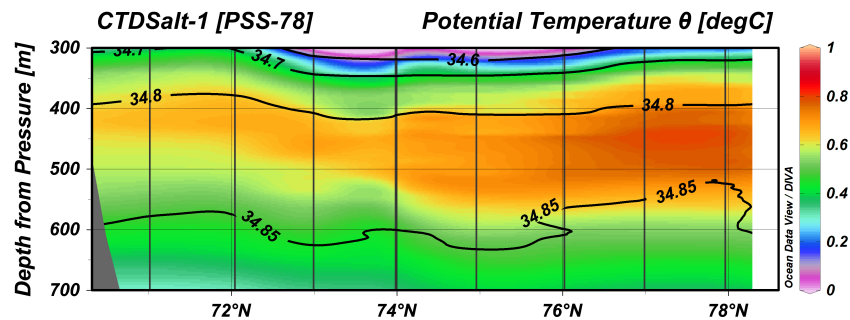
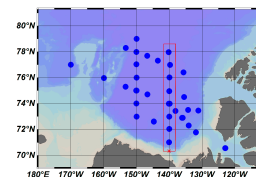


Atlantic Layer (Fram Strait Branch)

150W Section



140W Section





CCGS Sir Wilfrid Laurier

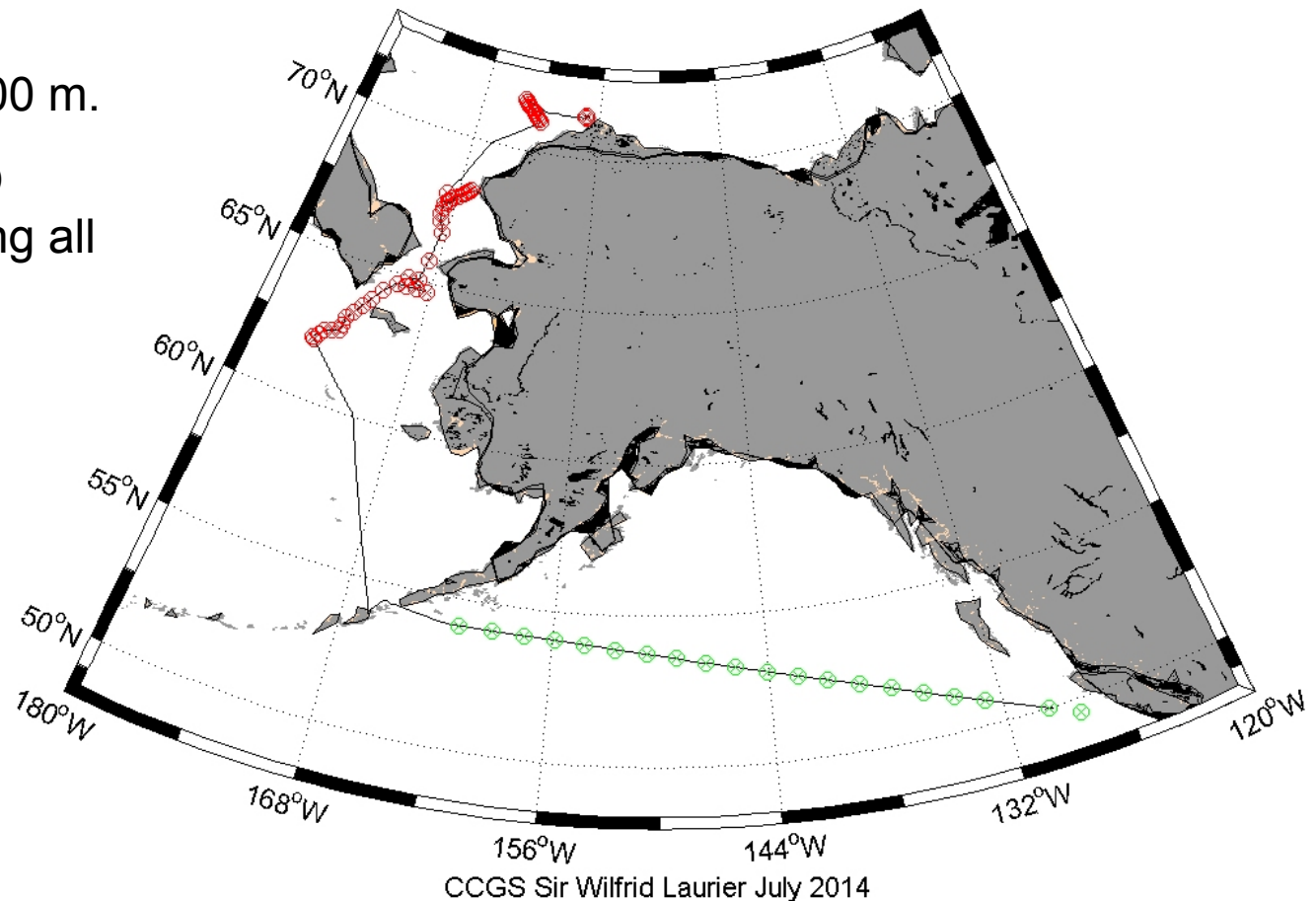
04 - 23 July 2014: Victoria BC to Barrow AK

Chief Scientist: Svein Vagle

Collaborations: C3O-DFO - DBO(Jackie Grebmeier)

Green stations are underway UCTD to 400 m.

Red stations are DBO sampling stations along all 5 DBO lines.

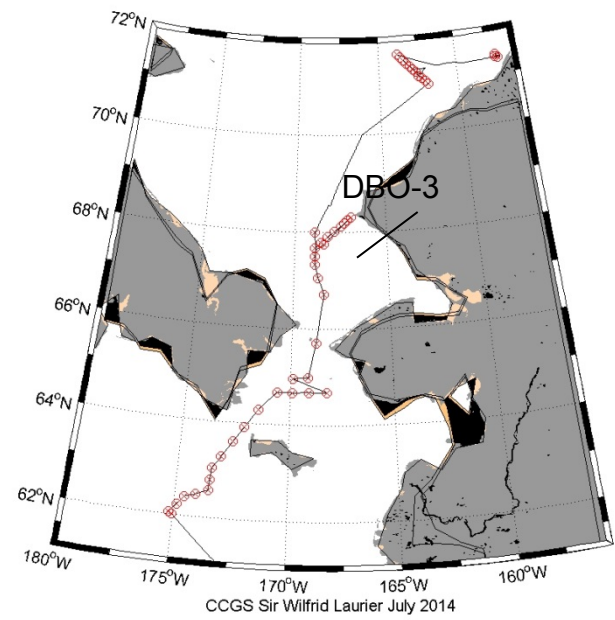
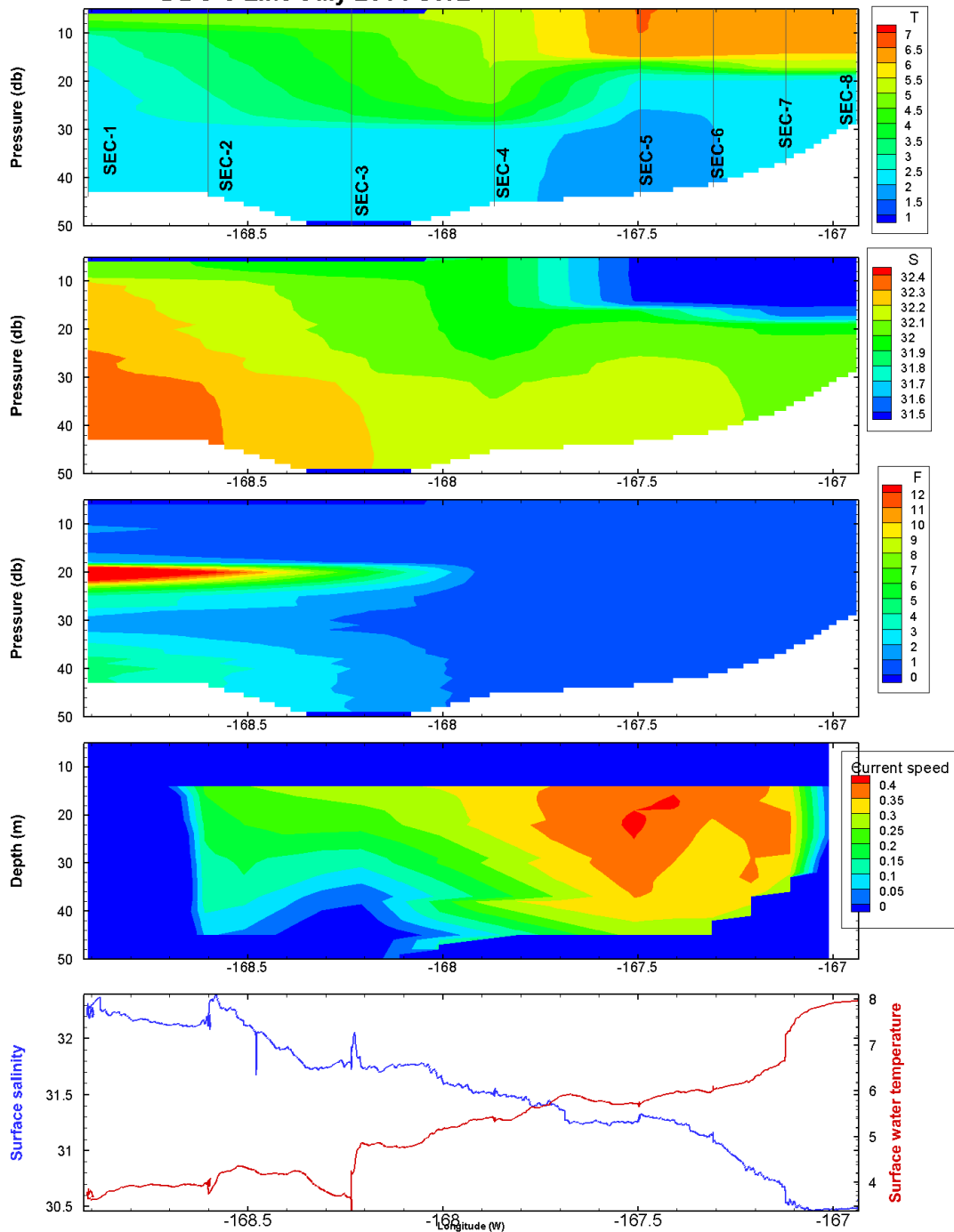


Science activities:

- 47 science stations (should have been 54, but had to skip 7 Barrow Canyon stations due to ice)
- 47 CTD/Rosette casts
- 30 150 kHz ADCP deployments
- 33 Bongo plankton net hauls
- 32 Benthic sampling stations
- 2 SVP drifters deployed
- Continuous sea surface water monitoring
- Bird and mammal observations from Victoria to Barrow
- 20 UCTD profiles across NE Pacific
- Water collected for Fukushima isotope analysis

- Phytoplankton incubation experiments

DBO-3 Line July 2014 SWL



CCGS Sir Wilfrid Laurier: 25 Sept – 04 Oct 2014: Victoria NU to Nome AK
Chief Scientist: Humfrey Melling
Collaborations: Meteorological Service of Canada, NOAA (Kathy Crane)

