



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Canadian activities in the Pacific Arctic Region: 2015 icebreaker plans.

Pacific Arctic Group meeting
Arctic Science Summit Week, Toyama, Japan
25 April 2015



Canada

CCGS Louis S. St-Laurent



A map of the Arctic region, showing the North Pole and surrounding landmasses including North America, Europe, and Asia. The map is color-coded, with blue representing the ocean and brown/grey representing land. The text is overlaid on the bottom left of the map.

UNCLOS mission:

Start/Finish: 6 Aug - 17 Sept 2015, Tromso, Norway to Kugluktuk, NU

Oceanographer: Jane Eert, DFO

Collaborations: JAMSTEC, Trent U., ...

Activities: XCTD section from Svalbard across the North Pole to the Beaufort Gyre; CTD/Rosettes where possible.

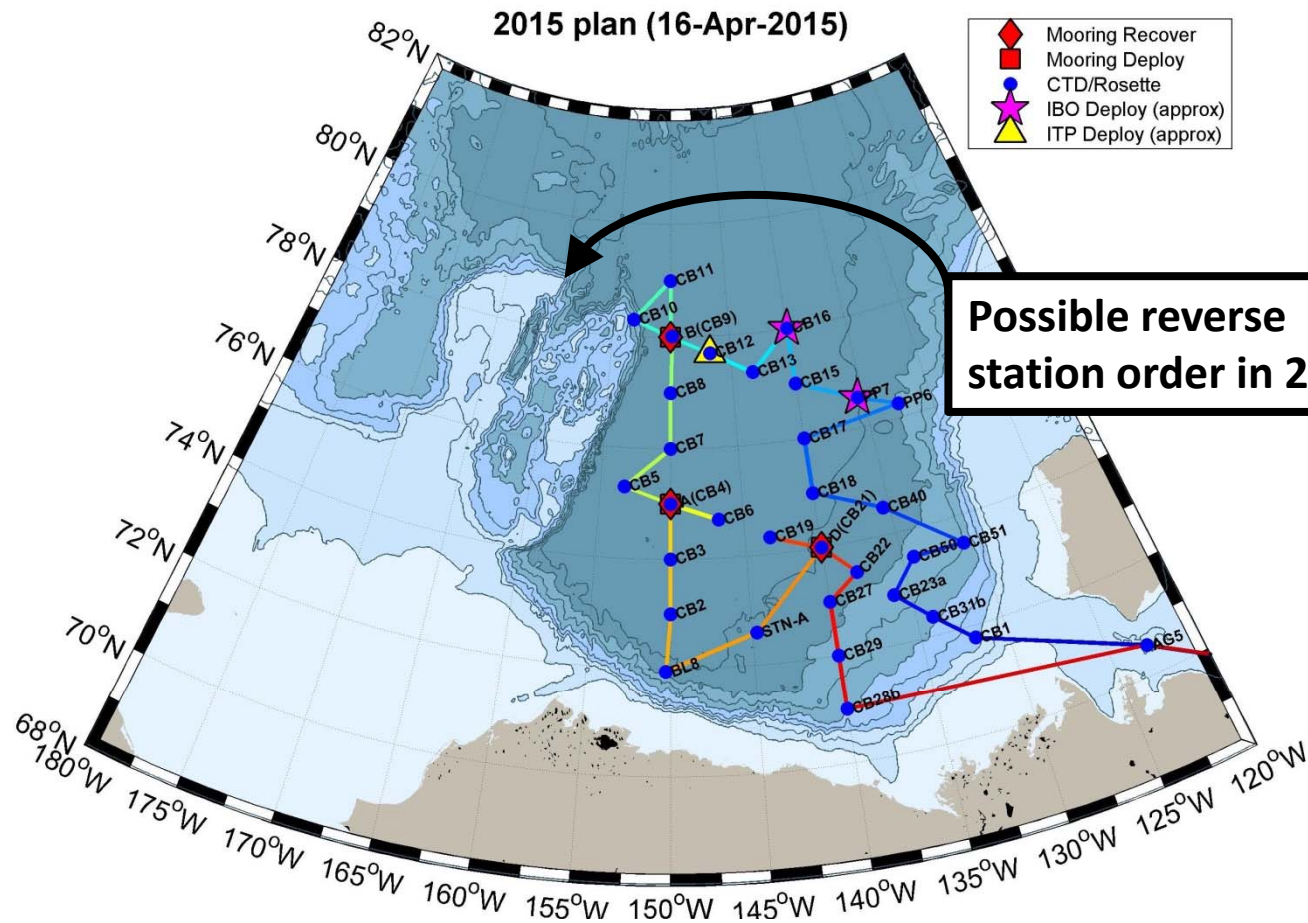
JOIS/AON-BGOS

CCGS Louis S. St-Laurent: Kugluktuk to Beaufort Sea/Canada Basin

- **19 September – 14 October, 2015 (25 days)**
- **35 berths requested**
- **CTD/rosette profiling and sampling**
- **Vertical net casts**
- **XCTD and UCTD casts**
- **Recover/deploy 3 moorings (WHOI)**
- **Possible recovery of 2 NIPR/GRENE moorings (WHOI, NIPR)**
- **Deploy 2-3 Ice Tethered Profilers**
- **2 Ice-Based Observatories**
- **Underway measurements**
- **Ice Observations (ship, ice and helicopter)**



(Photo: Jeffrey Charters)



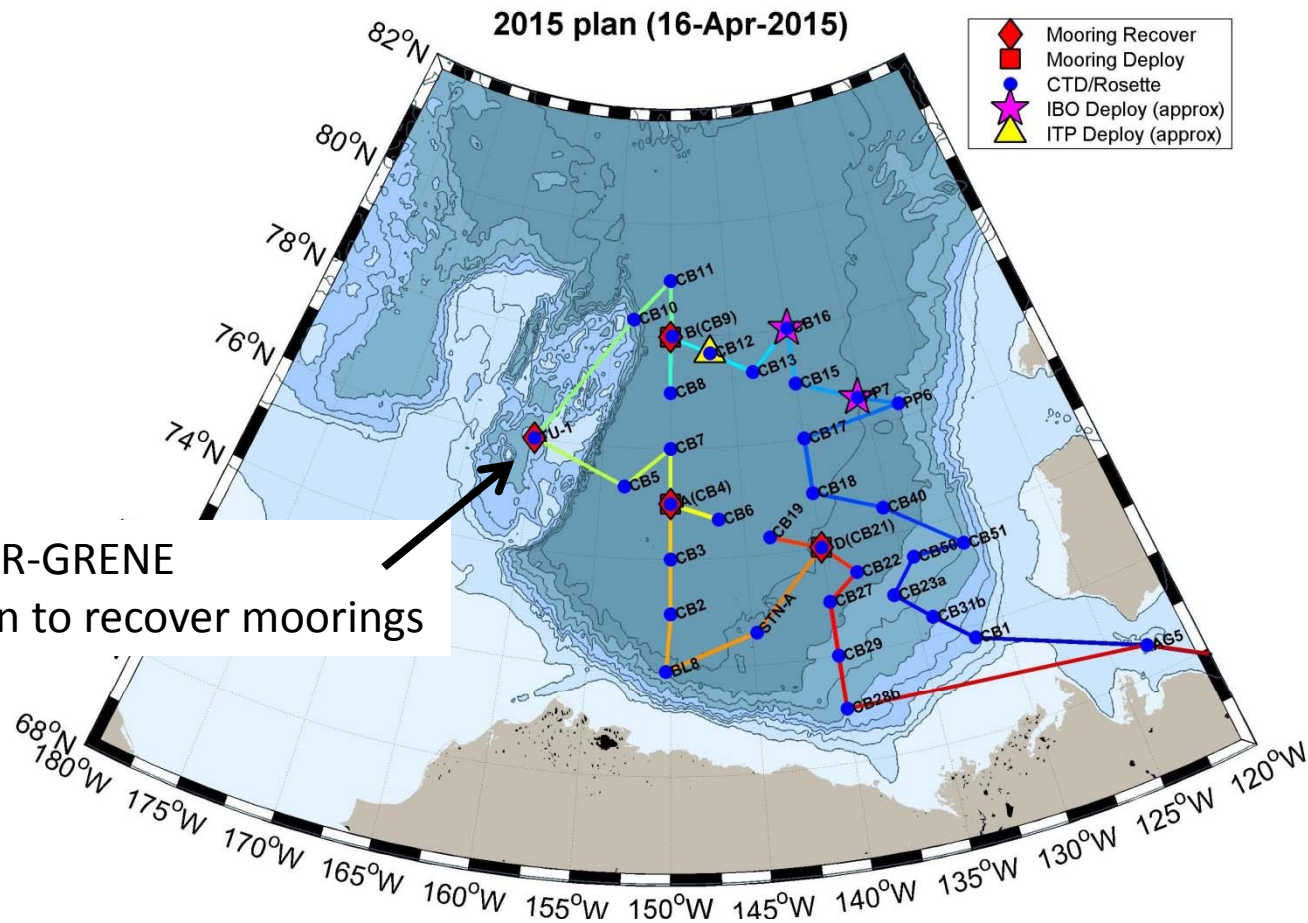
JOIS – AON-BGOS:

Start/Finish: 19 Sept to 14 Oct (25 days), Kugluktuk to Kugluktuk, NU

Chief Scientist: Bill Williams

Collaborations: WHOI, JAMSTEC, TUMSAT, ...

Activities: Mooring recoveries/deployments, ice buoy/ITP deployments, CTD/Rosettes, XCTD/UCTD, Bongo nets, ...



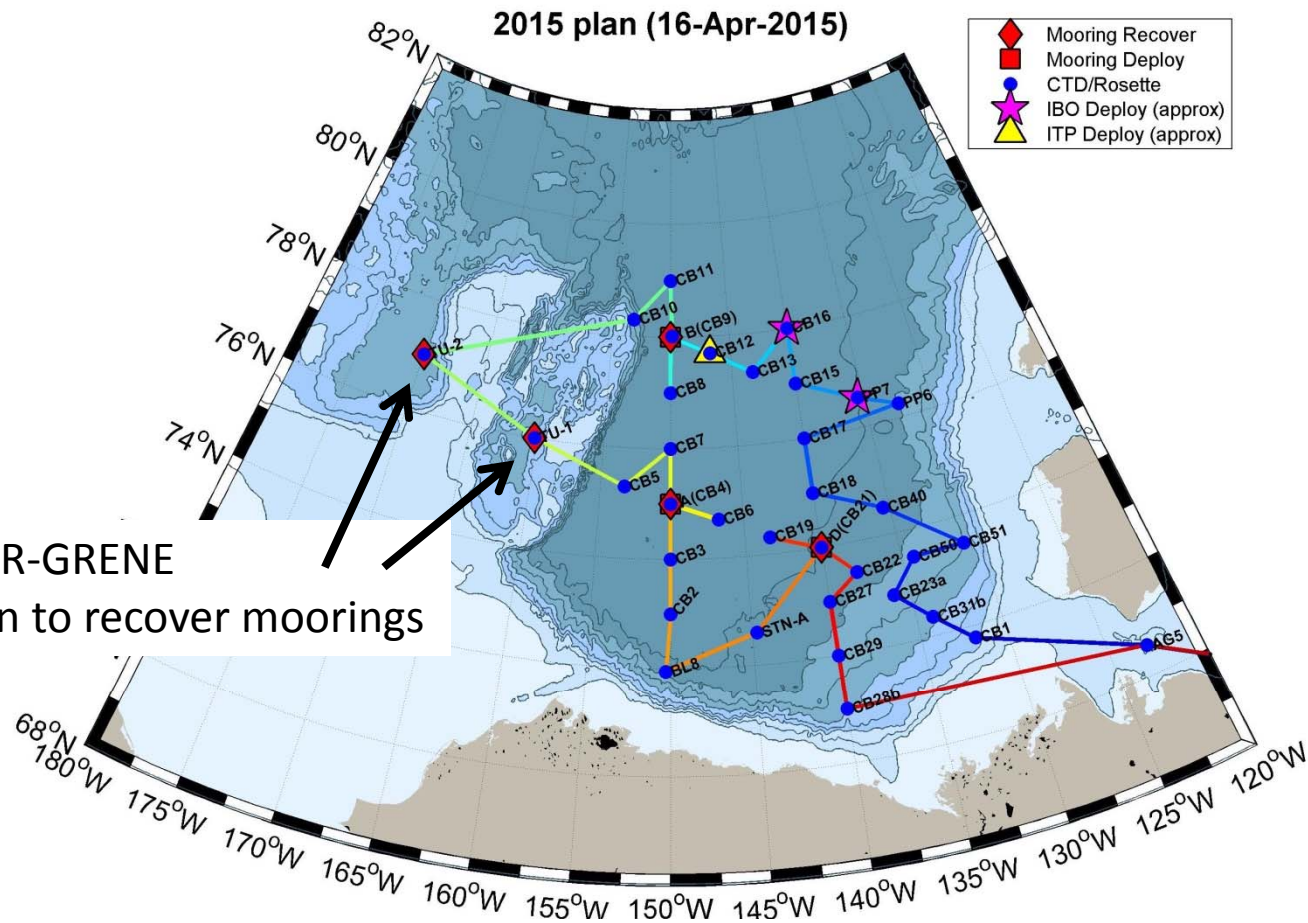
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CCGS Sir Wilfrid Laurier





C30 Pacific-Arctic + DBO

CCGS Sir Wilfrid Laurier: Victoria to Barrow

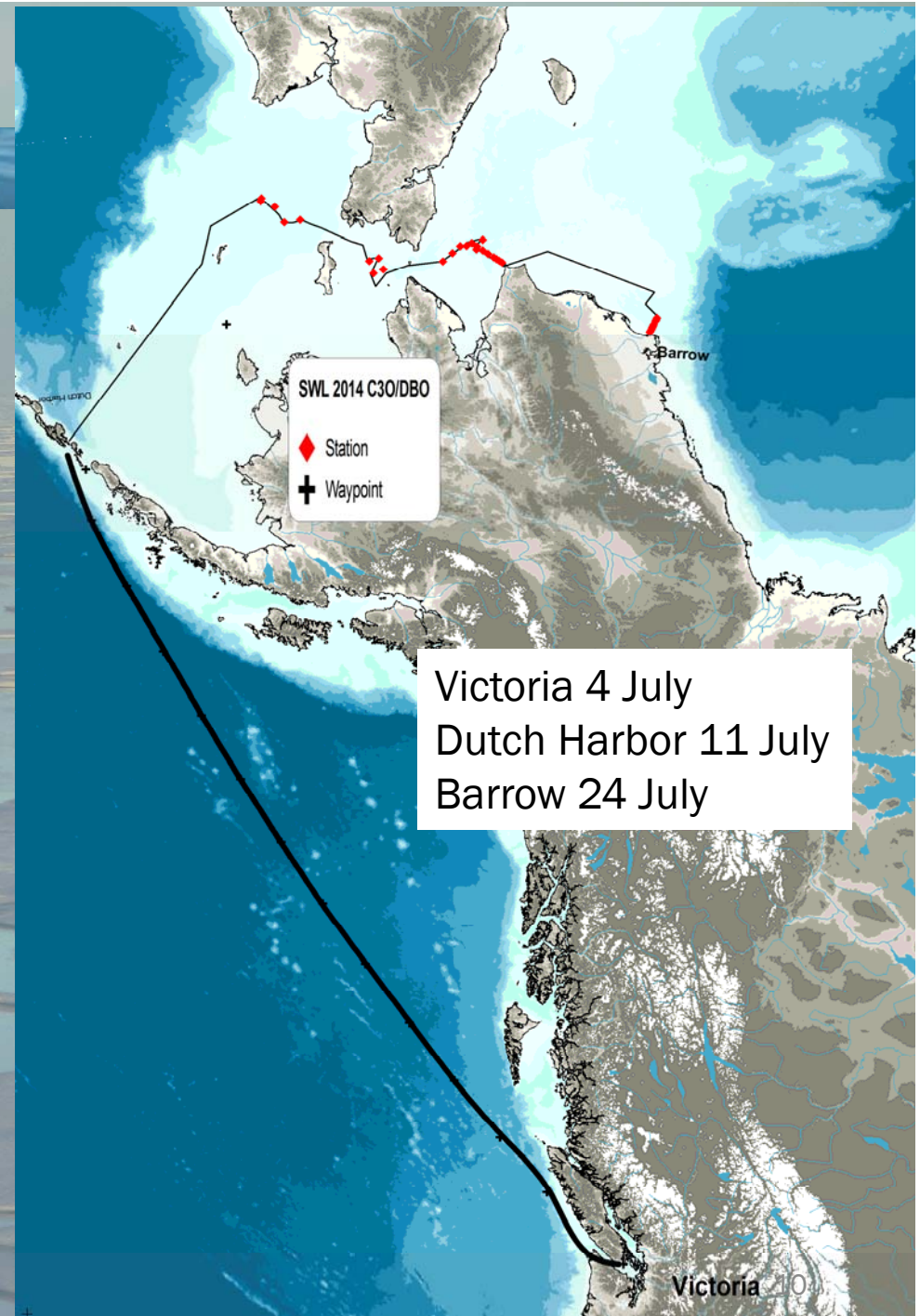
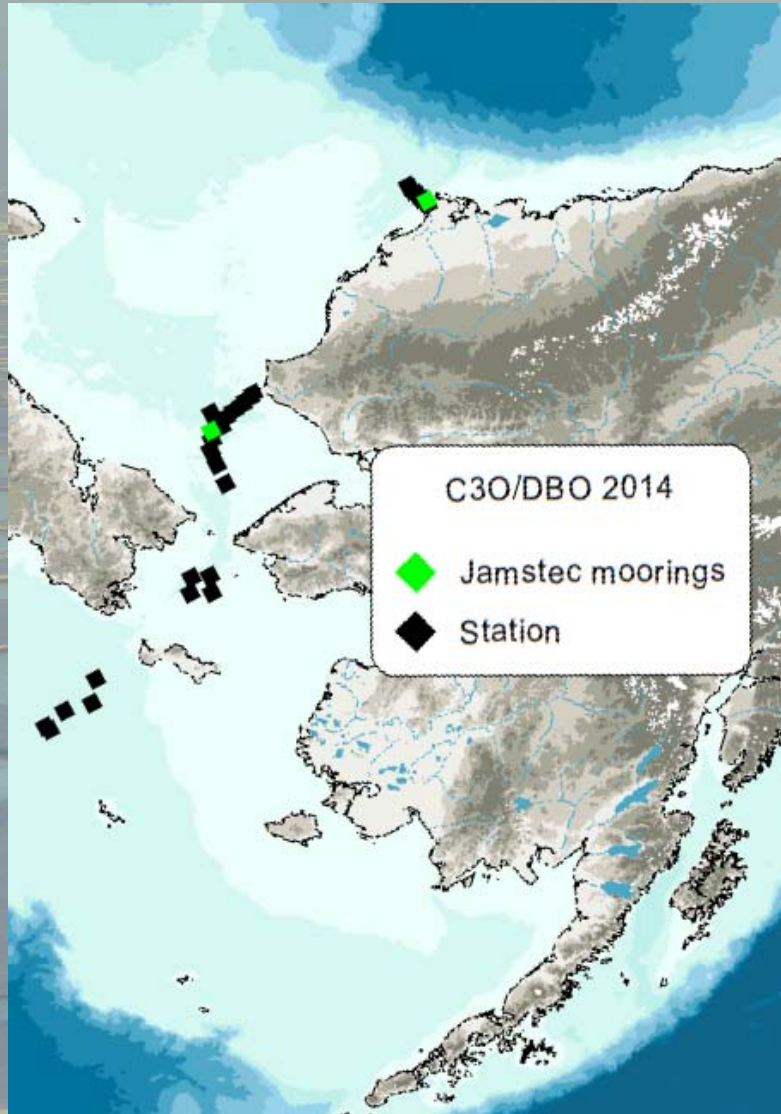
- 6 days, 14 berths requested,
- Stop at Dutch Harbor to pick up about 12 scientists
- UCTD and XCTDs deployed from stern during transit
- Underway seawater sampling
- Bird observations
- Deployment of Argo floats (no deviation from track)
- Collect sediment samples using VanVeen grabs and Happs corer at stations in the Bering and Chukchi Seas. Also, collect CTD and geochemical samples with the rosette and plankton samples with vertically towed bongos.
- Recover and redeploy 2 pairs of physical-bio-geochemical moorings for JAMSTEC

Victoria 4 July
Dutch Harbor 11 July
Barrow 24 July





C3O Pacific-Arctic + DBO





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Planned Moorings Cruise

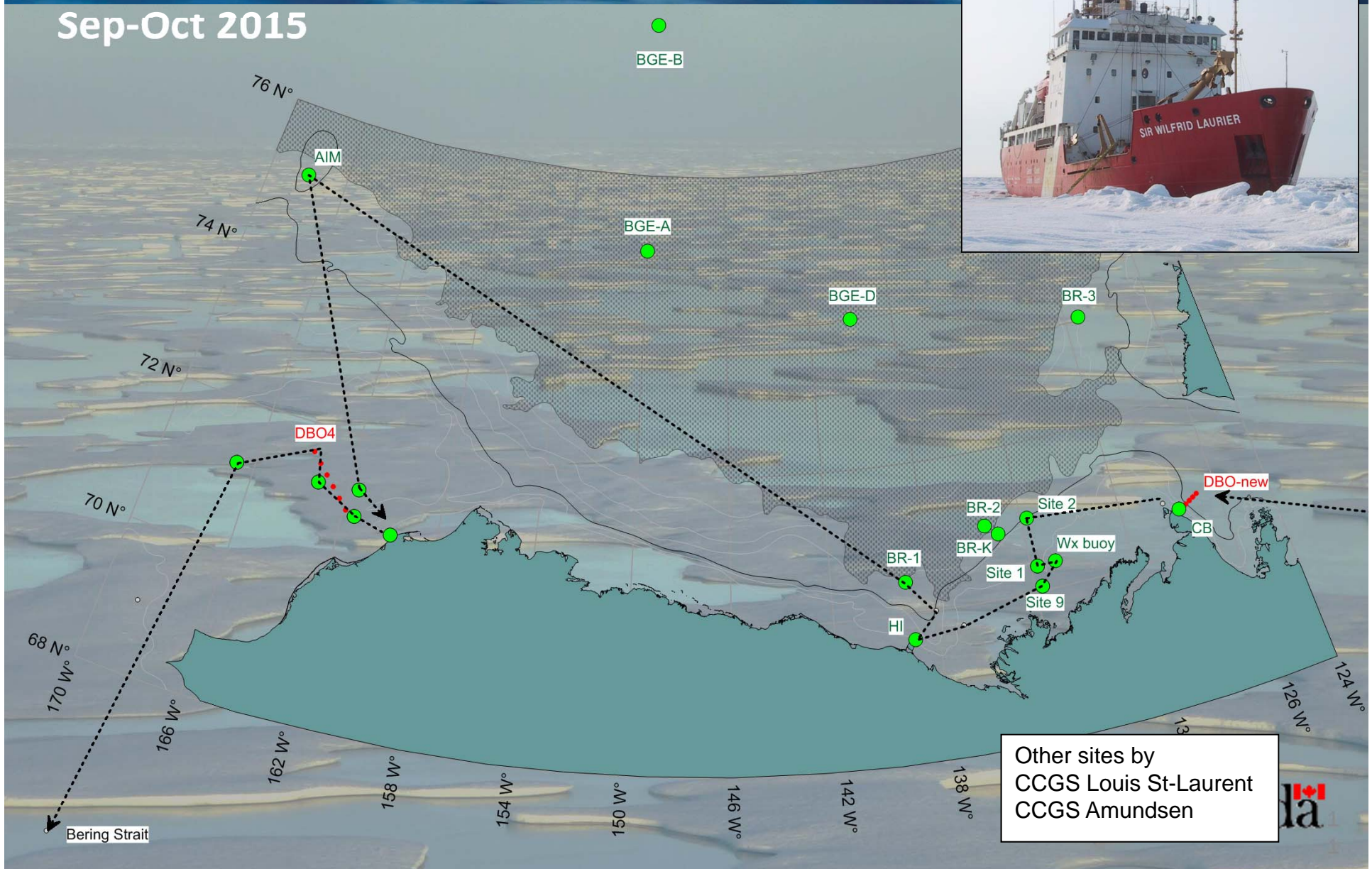
CCGS Sir Wilfrid Laurier

Sep-Oct 2015



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Other sites by
CCGS Louis St-Laurent
CCGS Amundsen

