

GEOTRACES SSC meeting, Stellenbosch, South Africa, 8-10 October 2014

French
activities, 2013-2014

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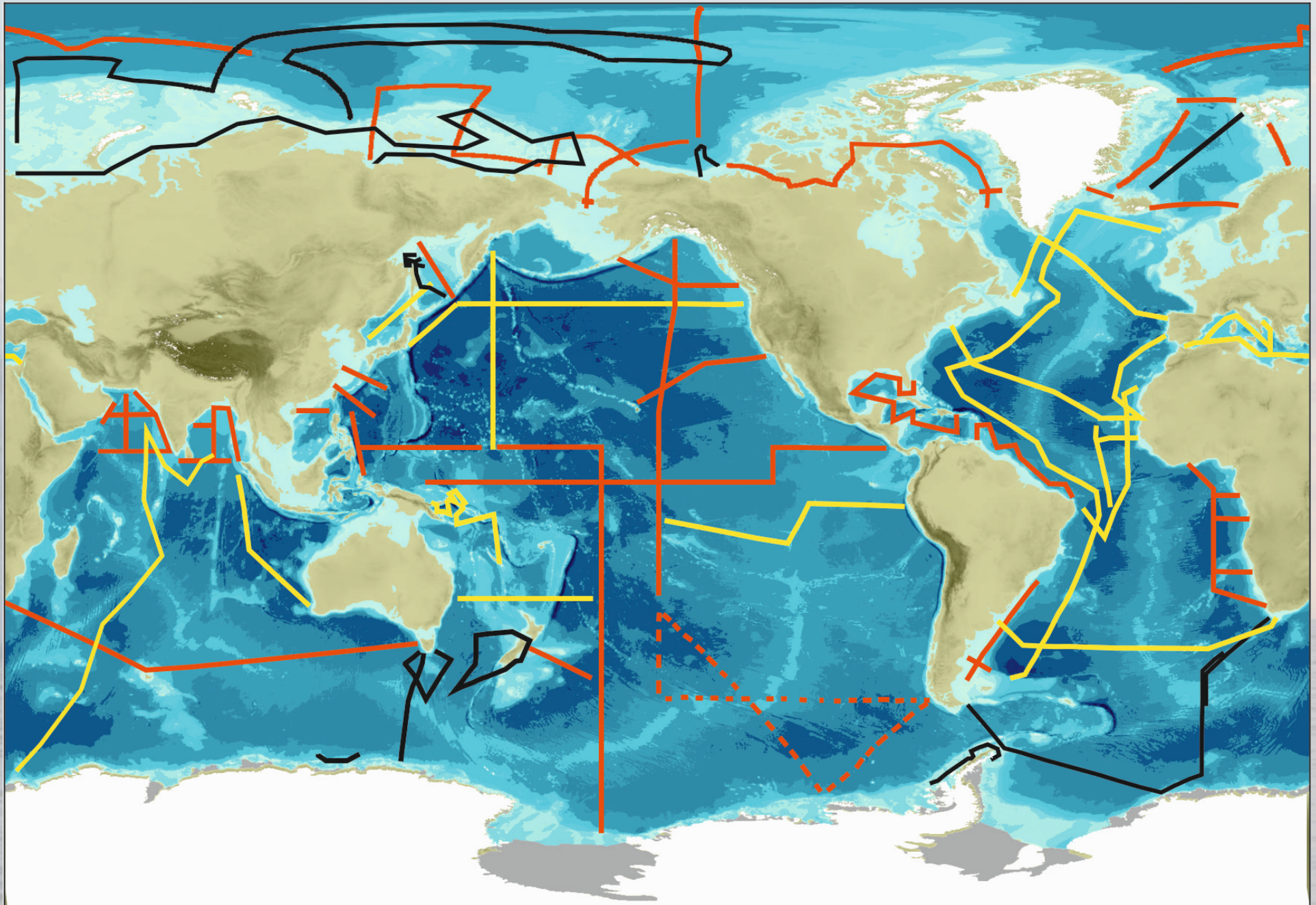


¹LEMAR-UMR 6539,
Plouzané, France

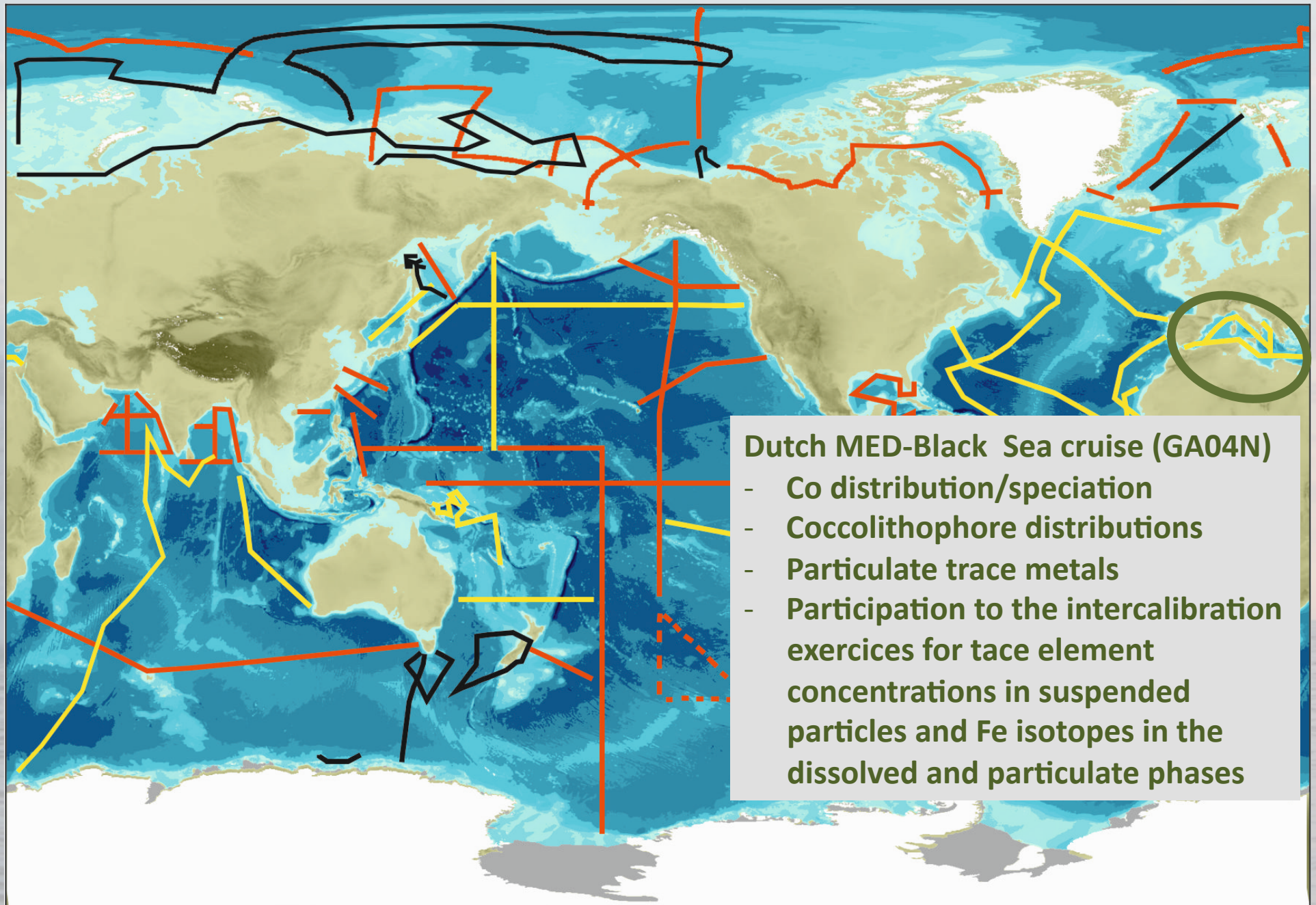


²LEGOS-UMR 5566,
Toulouse, France

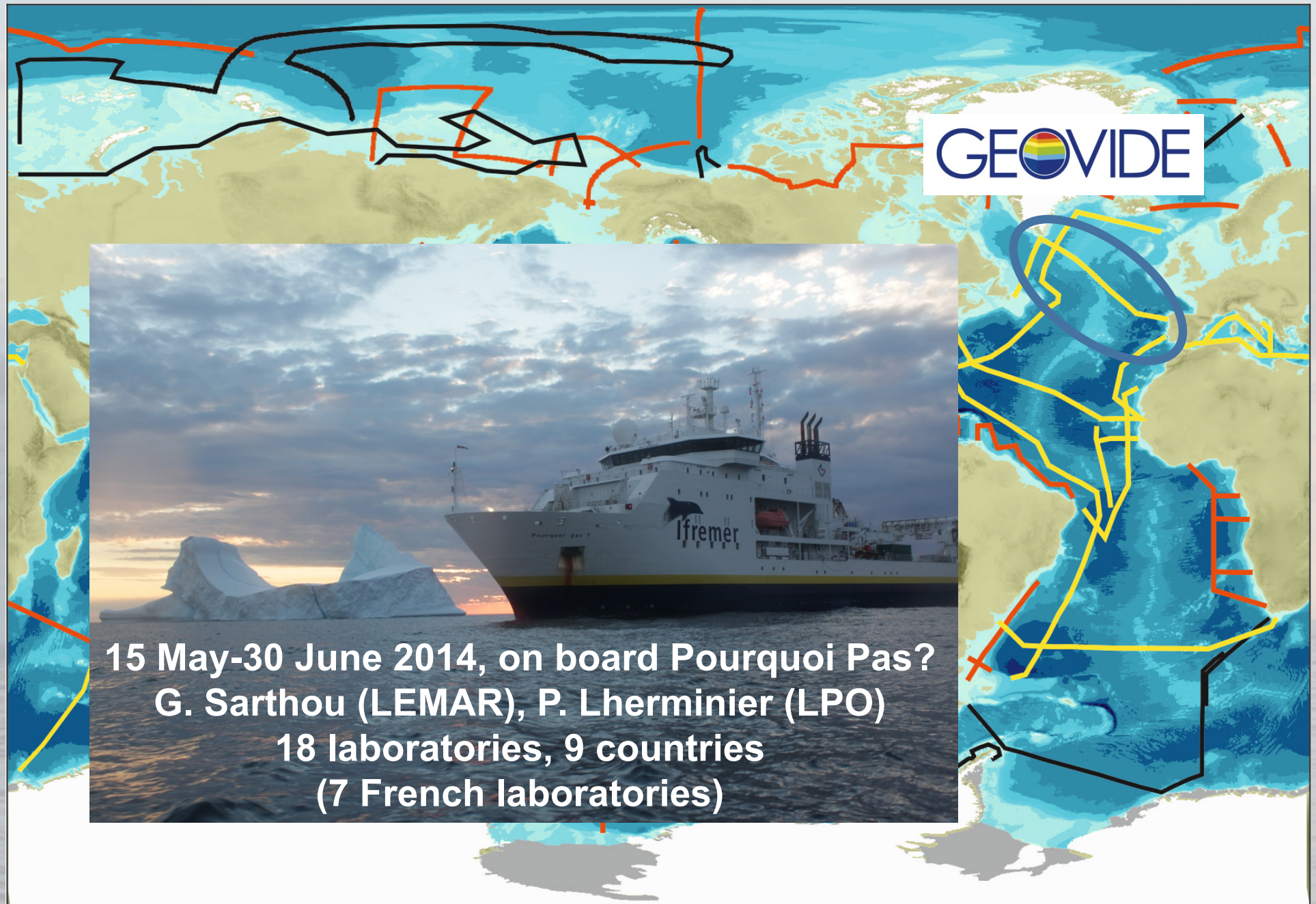
Oceanographic cruises



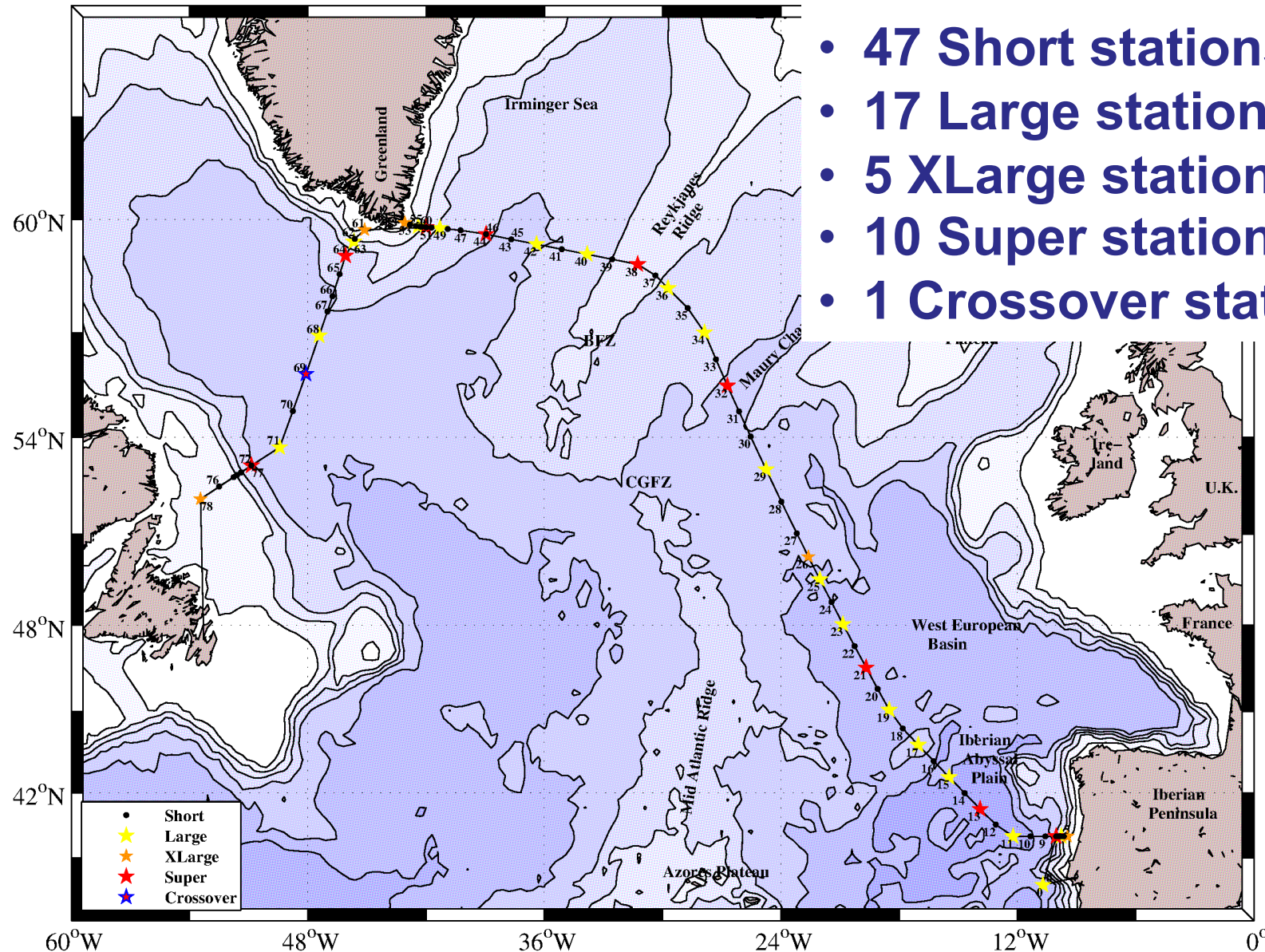
Oceanographic cruises



Oceanographic cruises



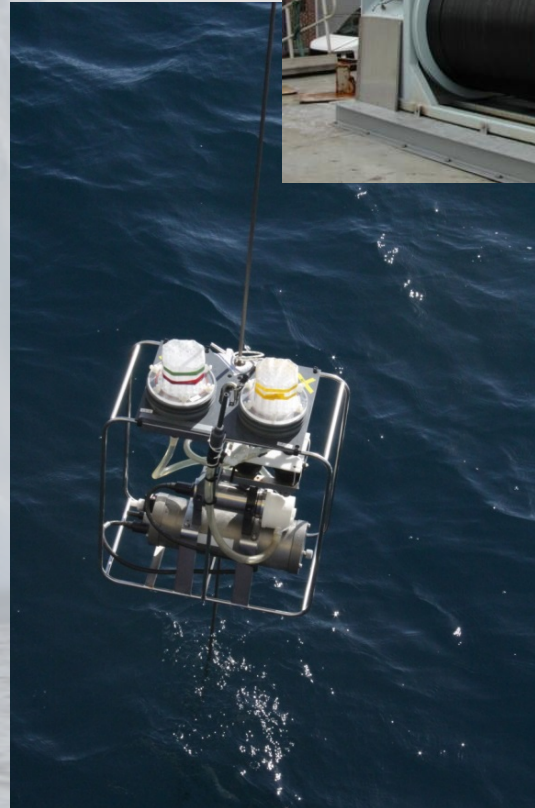
Full-depth high resolution section (47 days at sea)



- 47 Short stations
- 17 Large stations
- 5 XLarge stations
- 10 Super stations
- 1 Crossover station

Greg Cutter

- Loan of US clean winch (spare one)
- Help in Lisbon to set up our clean sampling equipment



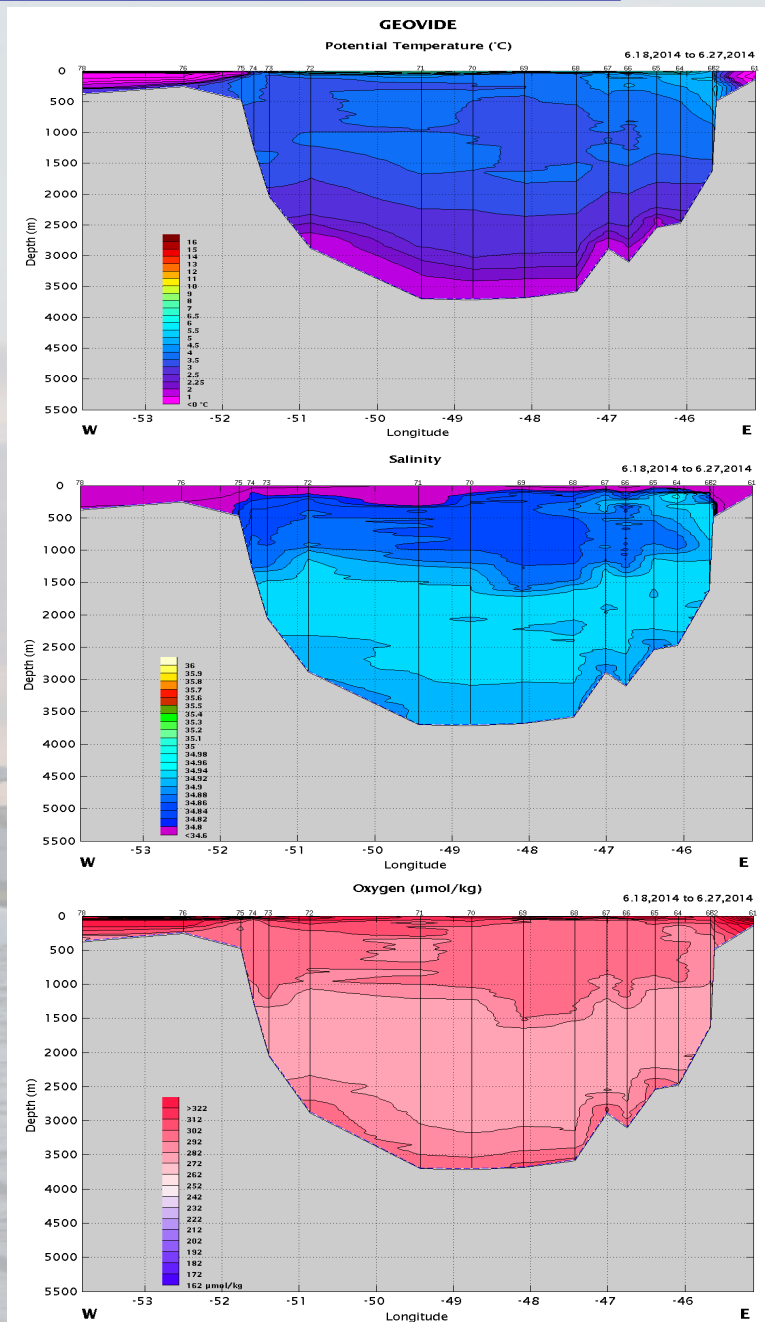
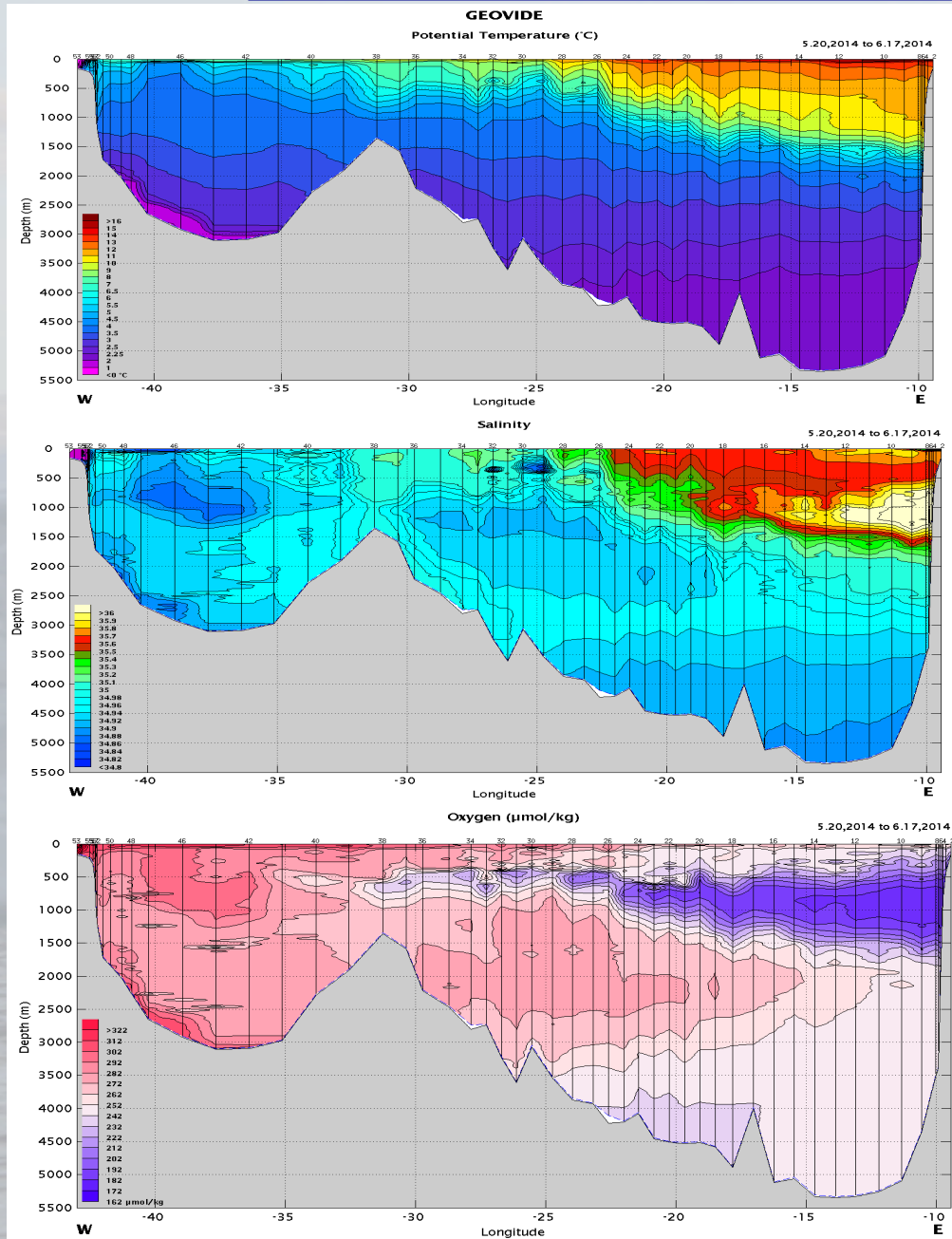
Phoebe Lam

- Loan of in-situ pumps

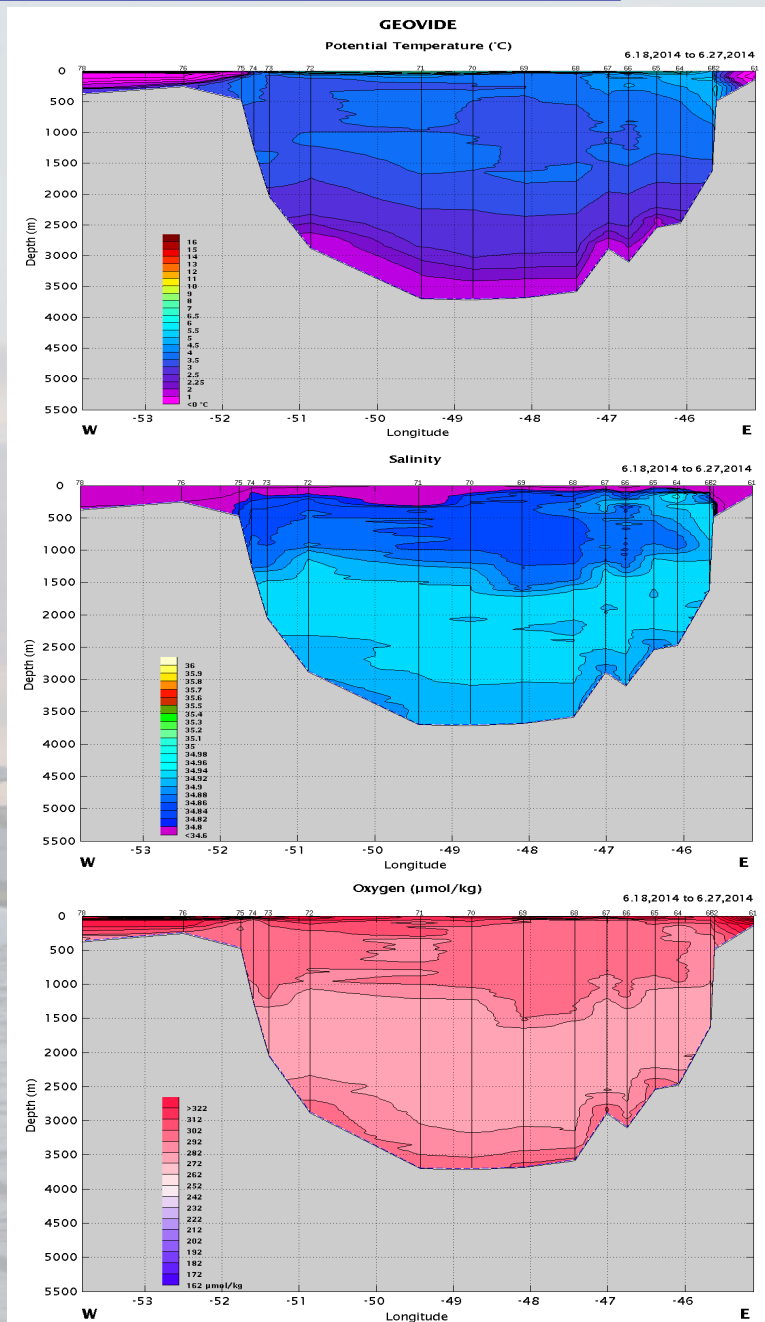
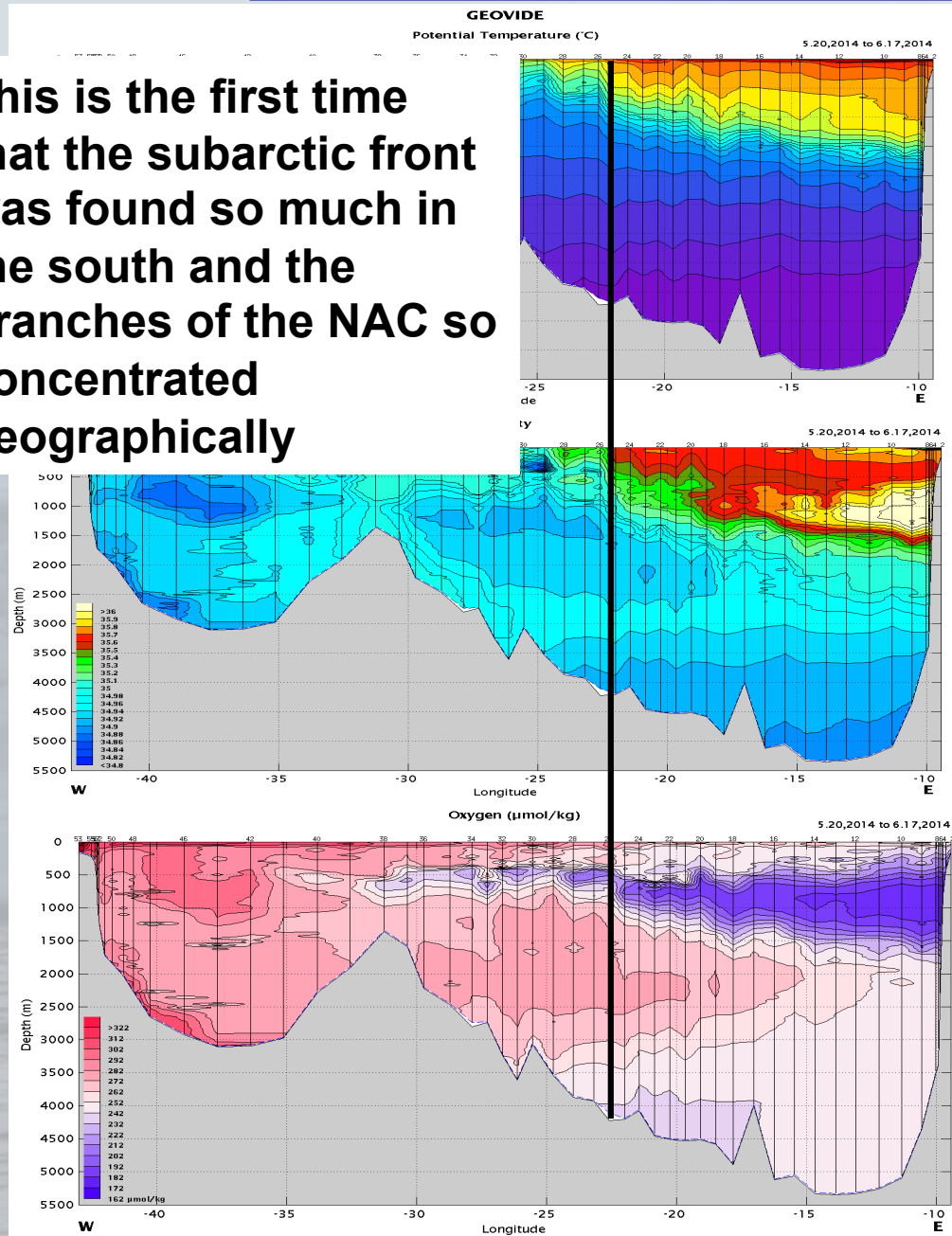


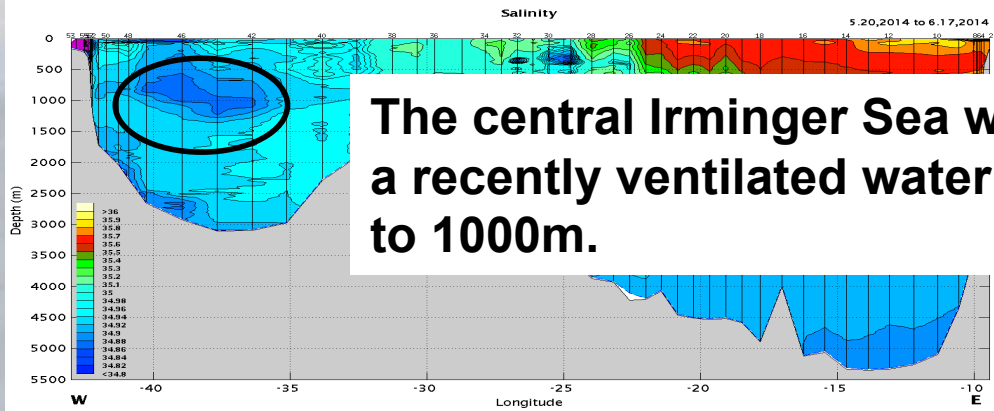
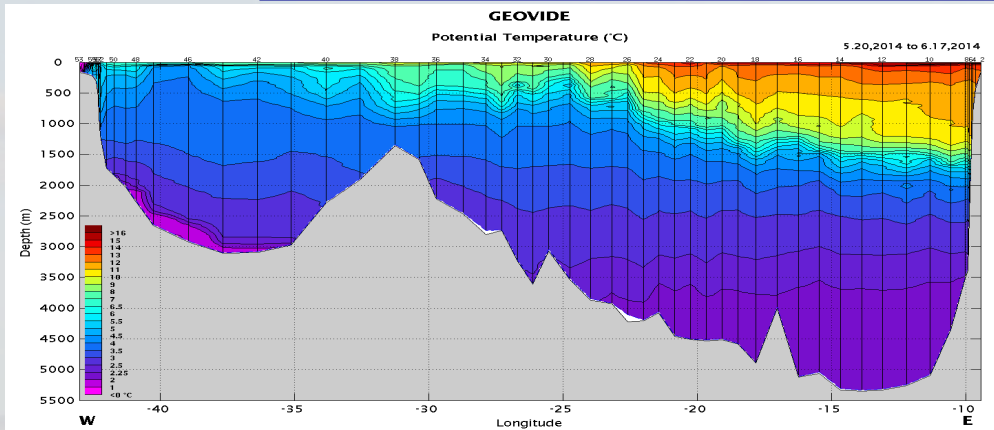
Robert Anderson and Martin Fleisher

- Loan of sediment corer

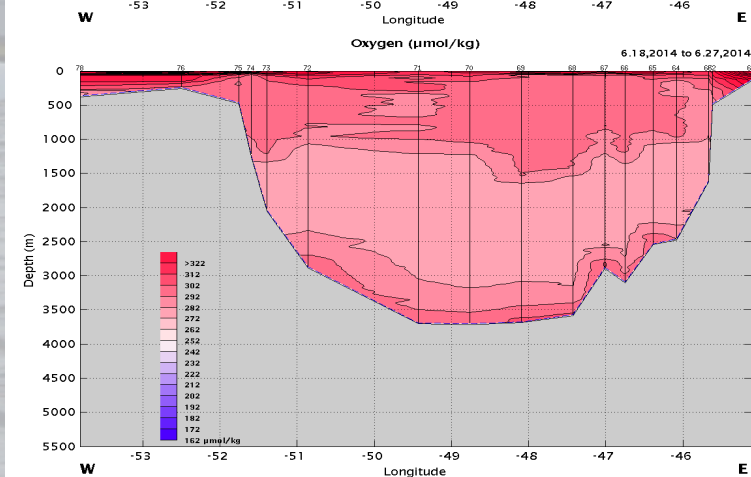
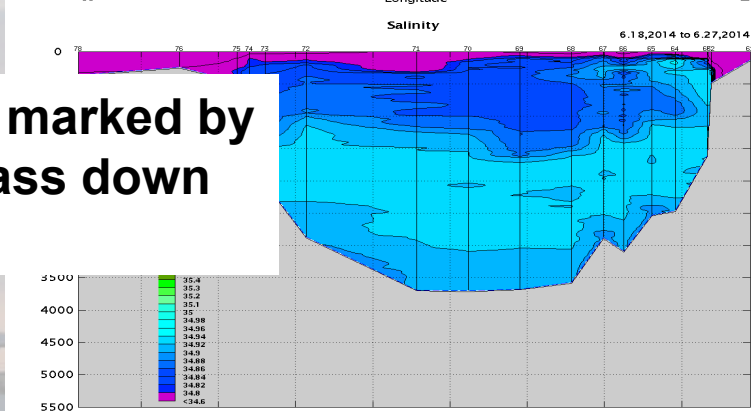
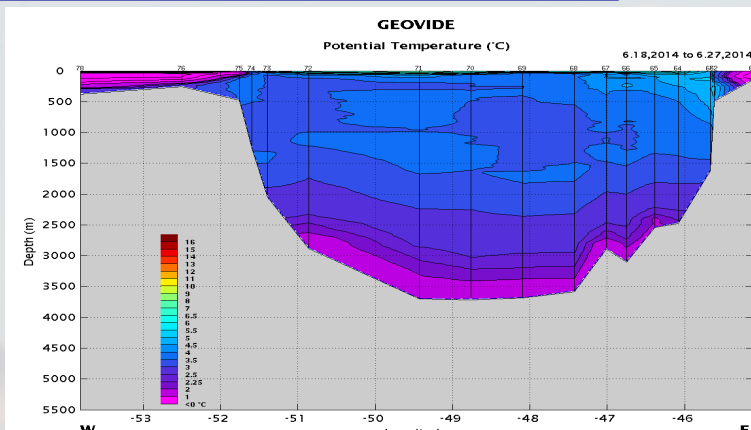
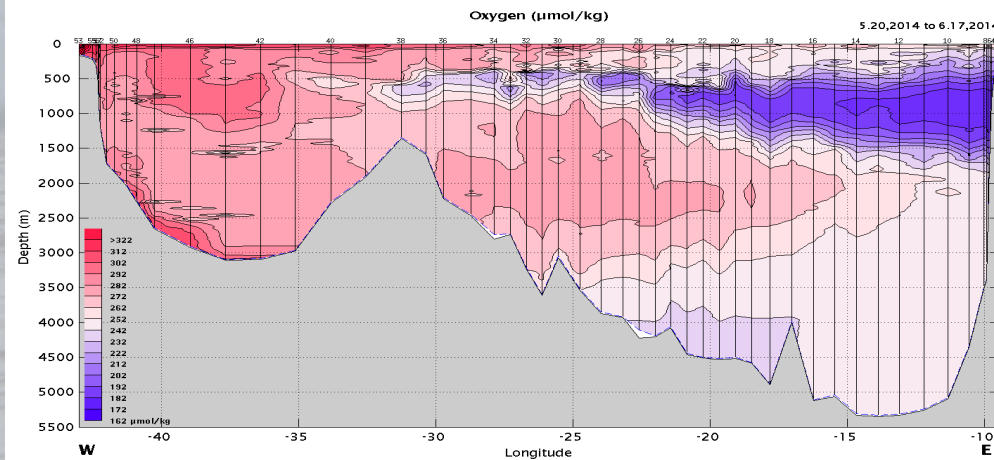


This is the first time that the subarctic front was found so much in the south and the branches of the NAC so concentrated geographically

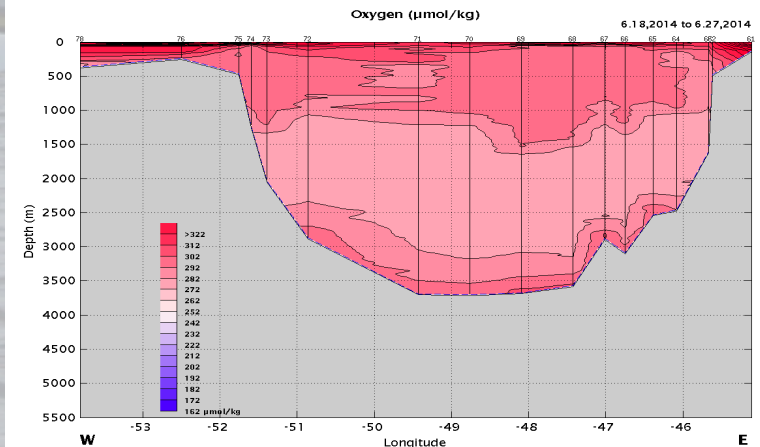
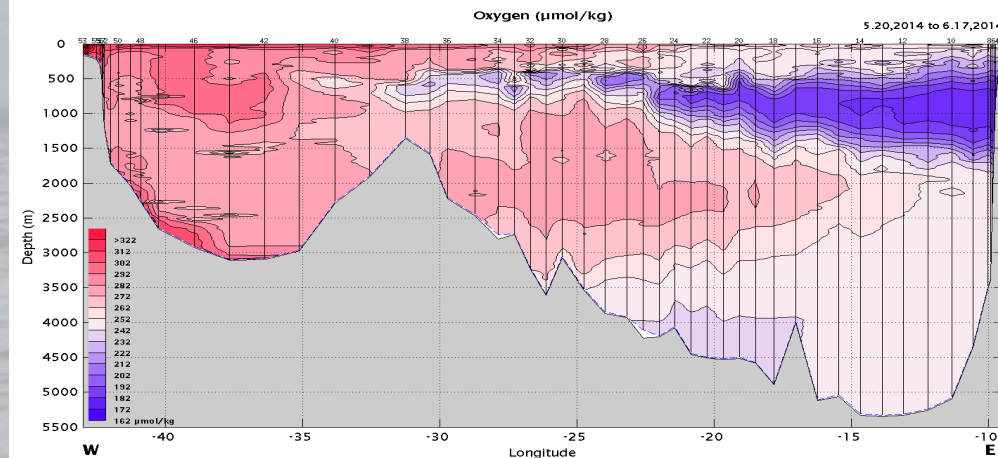
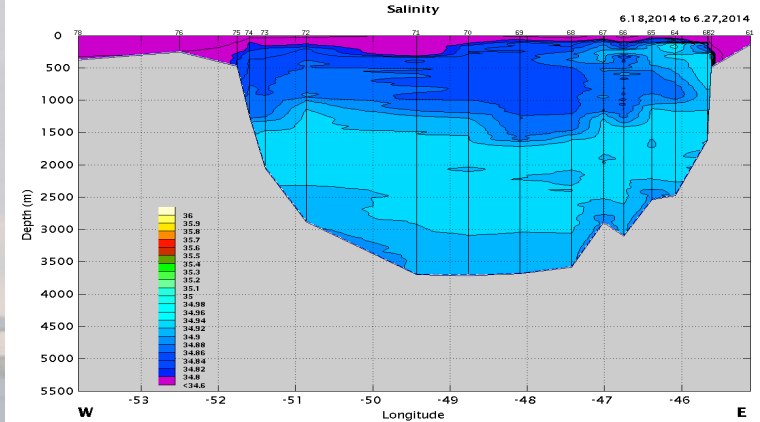
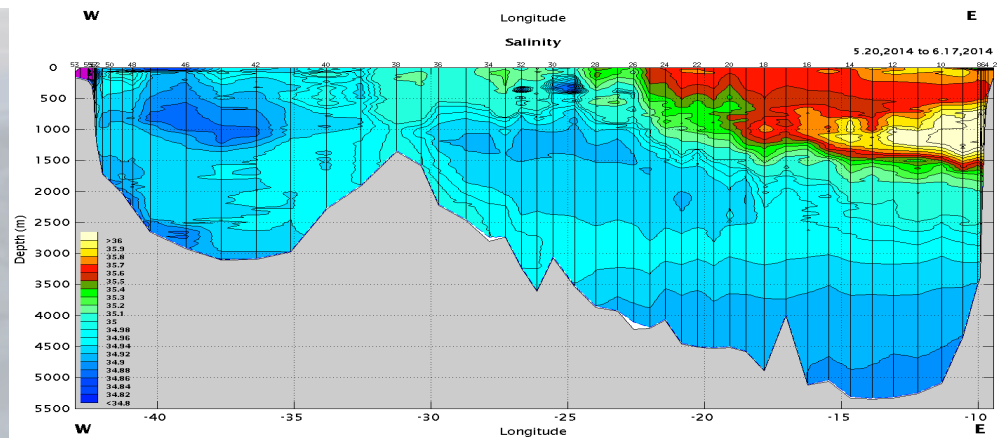
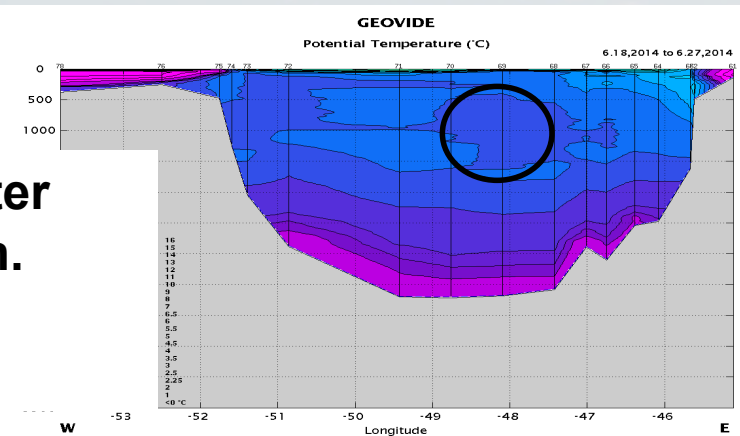
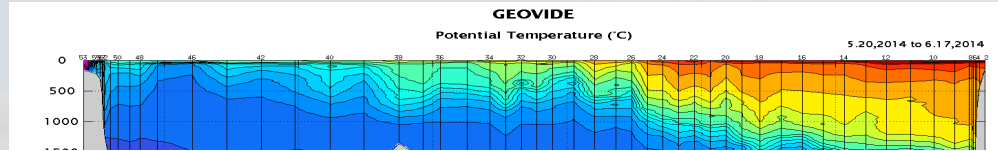




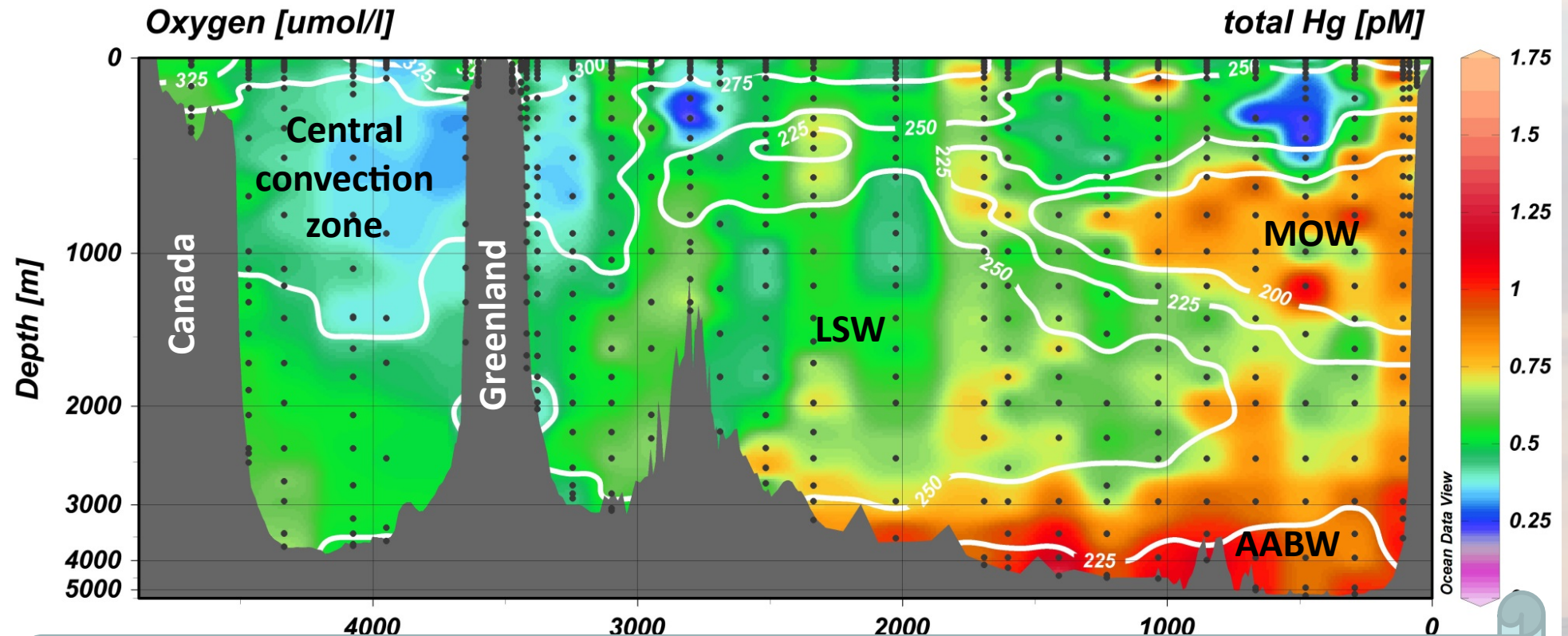
The central Irminger Sea was marked by a recently ventilated water mass down to 1000m.



**The thickest layer of recent Labrador Sea Water was found at station 69, down to 1500m depth.
When was water ventilated ? Last winter ?
Needs to be proven.**



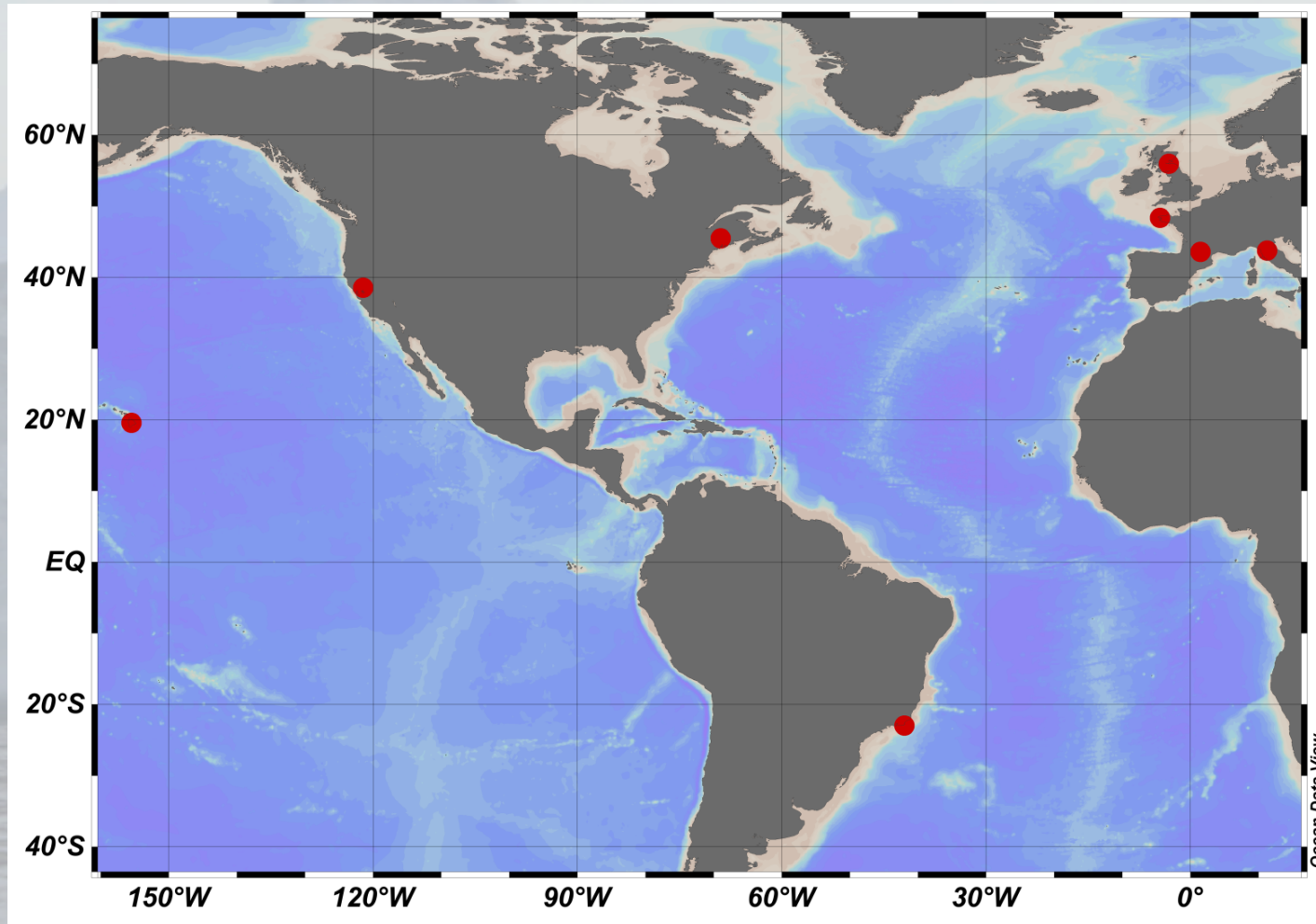
> 1500 Hg species measurements



- Future decrease in Hg content of North Atlantic pelagic ecosystems, including commercially important fish species.
- Efficiency of the implementation of global anti-pollution policies taken by countries surrounding the North Atlantic Ocean.

International Meetings

**8 conferences with a total of 23 presentations
(1-12 presentations/meeting, 2 key notes*)**



Goldschmidt (2013* and 2014), Ocean Science meeting (2014), International conference on Hg (2013), International conference on Environ. Geochem. Health (2013), International conference on Ra-Rn (2014), Gordon Conference (2013), Arctic Workshop (2013)

Publications

18 publications in 2013-2014 (12 as first authors)

In 17 different journals

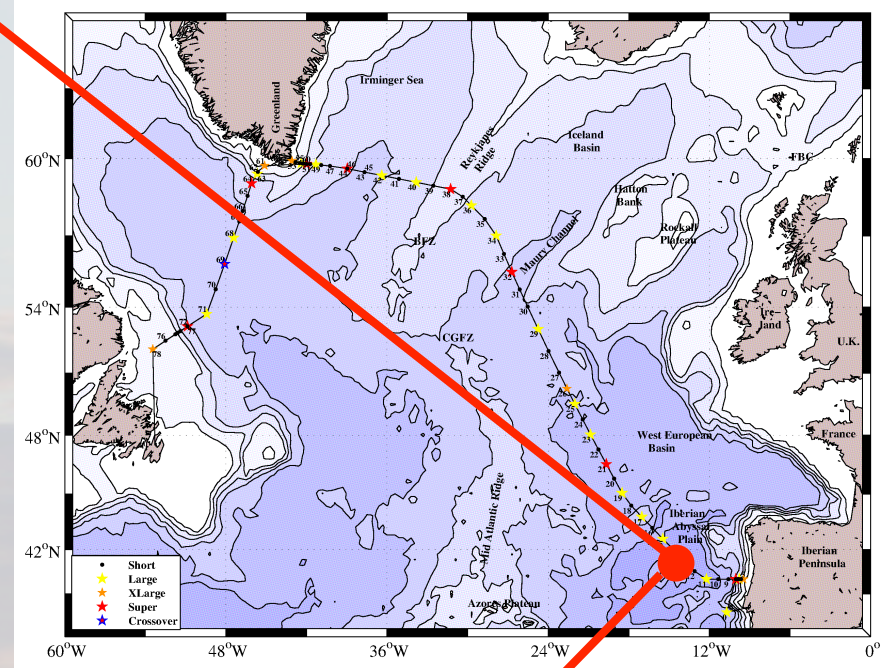
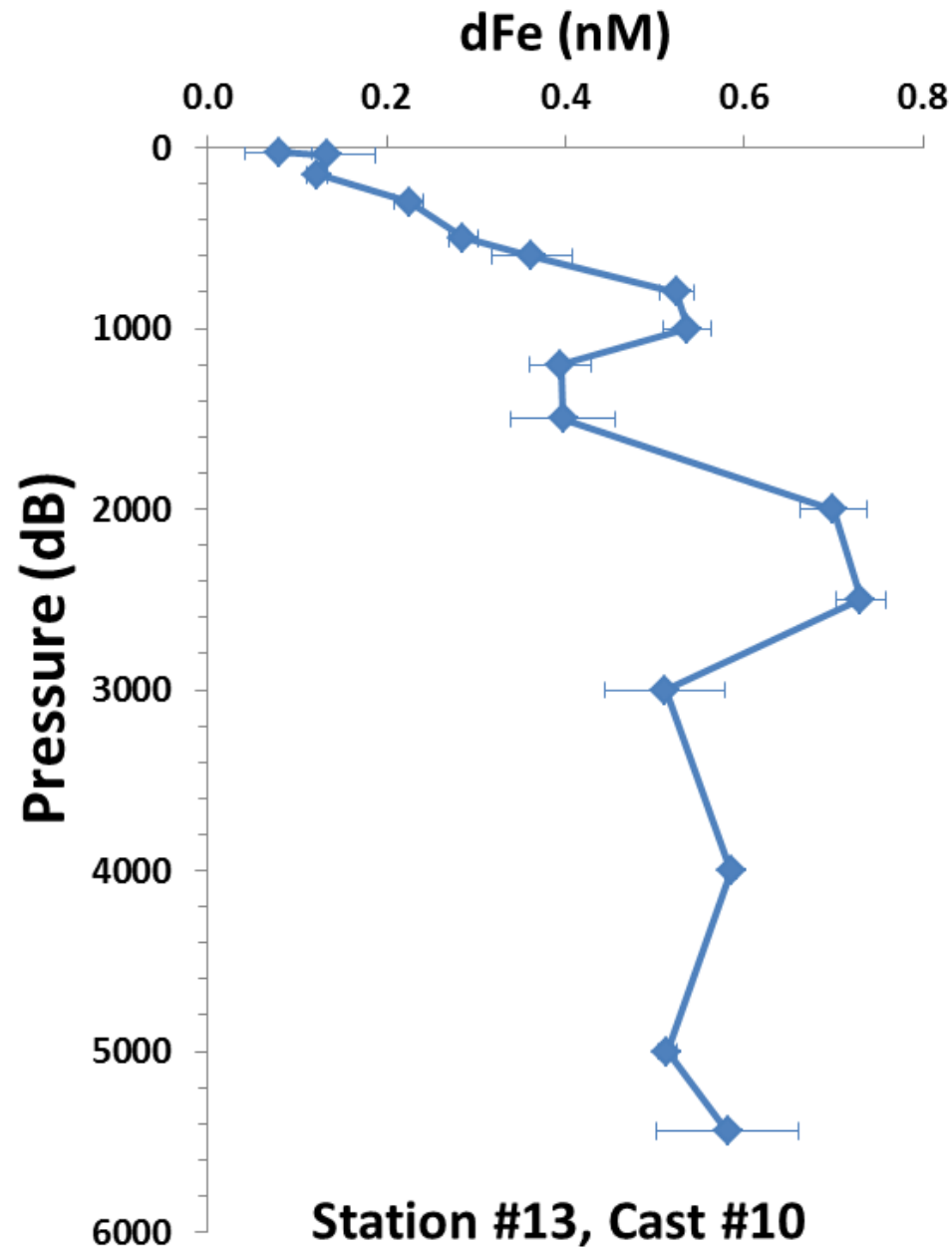


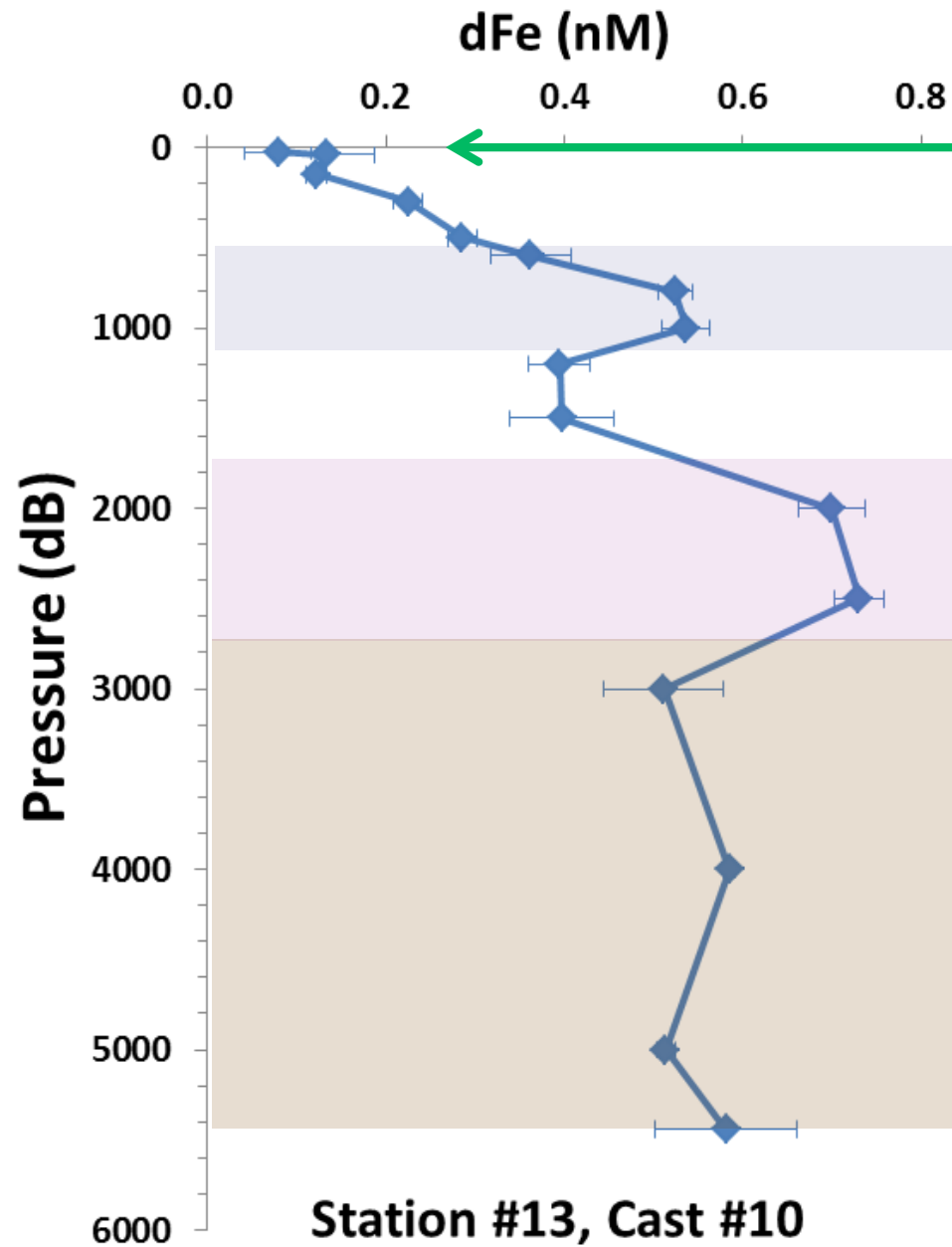
A large iceberg floats in the middle of a calm sea under a dramatic sky at sunset. The sun is low on the horizon, casting a warm orange glow across the clouds and water. The iceberg is dark and jagged, with a prominent peak. The text "Thanks for your attention" is overlaid in white at the bottom.

Thanks for your attention









Low conc. in the SML:
Biological uptake

MW

LSW

NEADWL

Circulation map

