



R/V Meteor



R/V Poseidon

German plans for repeat Hydrography

Toste Tanhua: ttanhua@ifm-geomar.de

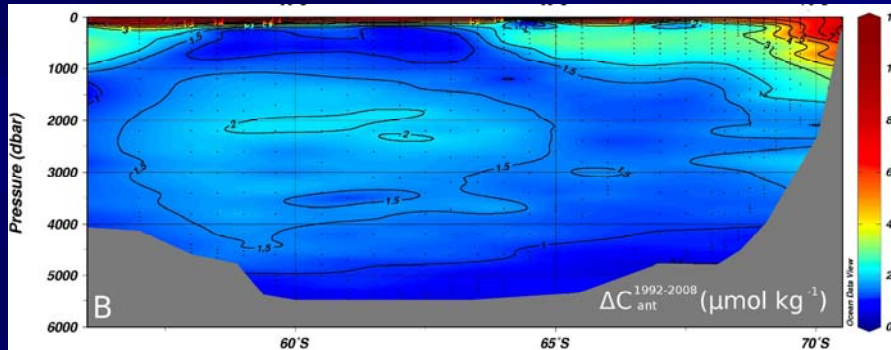
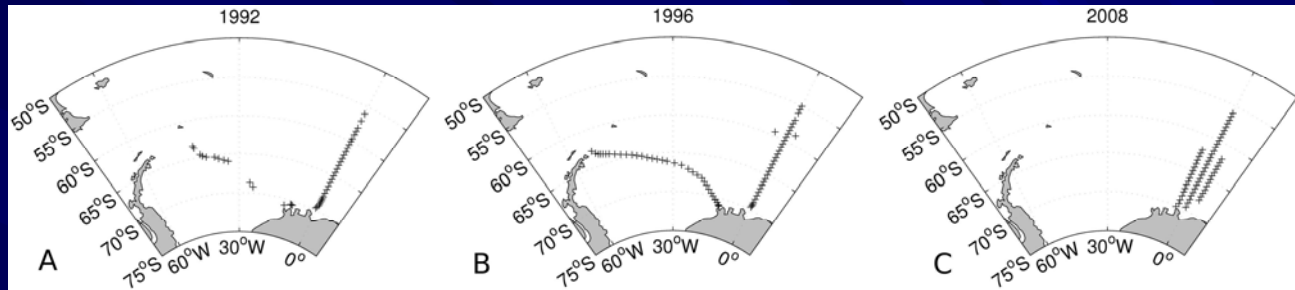
R/V Polarstern



R/V Maria S. Merian



The zero meridian and Weddell Sea

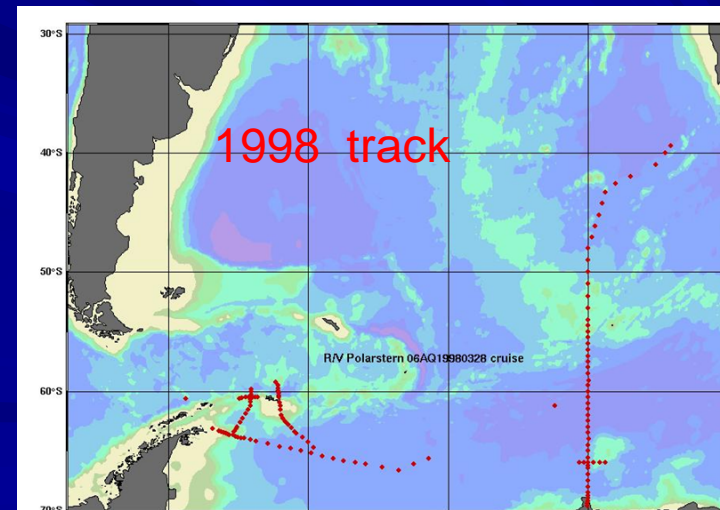


Some previous repeats with carbon measurements along this line (Hauck et al. 2010, JGR).

This is a high frequency line on the “GO-SHIP map”

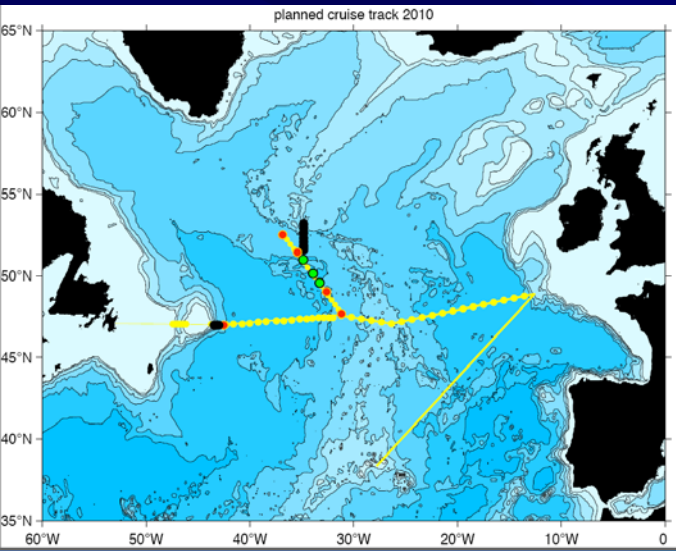
The Prime Meridian and the Weddell section from Kapp Norvegia to the tip of the Antarctic Peninsula will be repeated **from 27 Nov 2010 to 3 Feb 2011**. There will be measurements of CO_2 system, nutrients, oxygen and transient tracers (latter by Uni Bremen). Possibly ^{13}C and ^{18}O

Mario Hoppema: Mario.Hoppema@awi.de



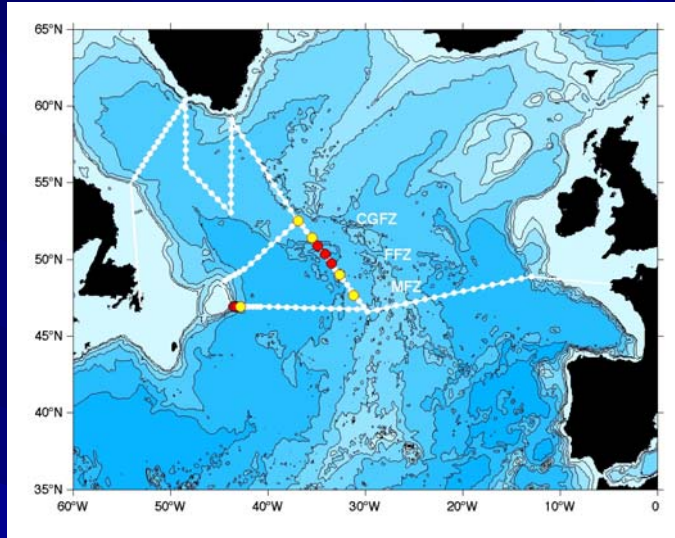
The line extends north of 50°S, Towards Cape Town

The subpolar North Atlantic; Labrador Sea and A2

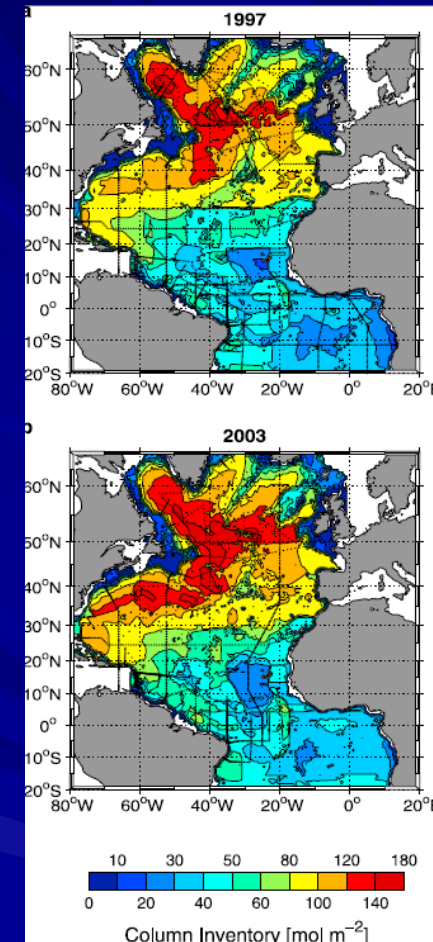


2010 on RV Meteor

Tracer measurements,
Carbon and oxygen



2011 on R/V Maria S. Merian

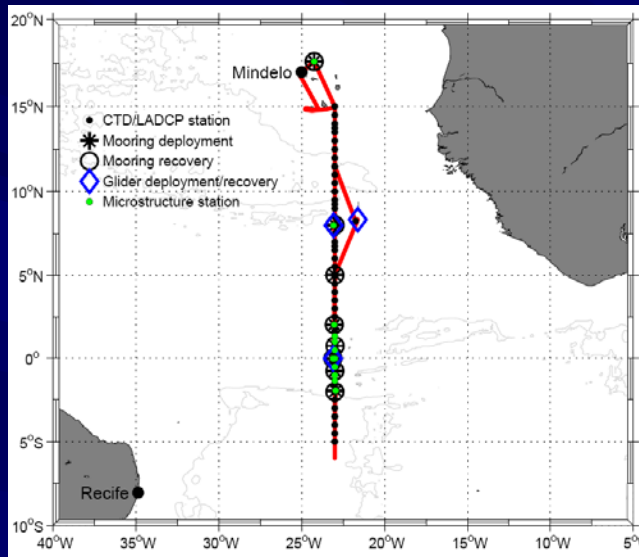


Steinfeldt et al., 2009 (GBC)

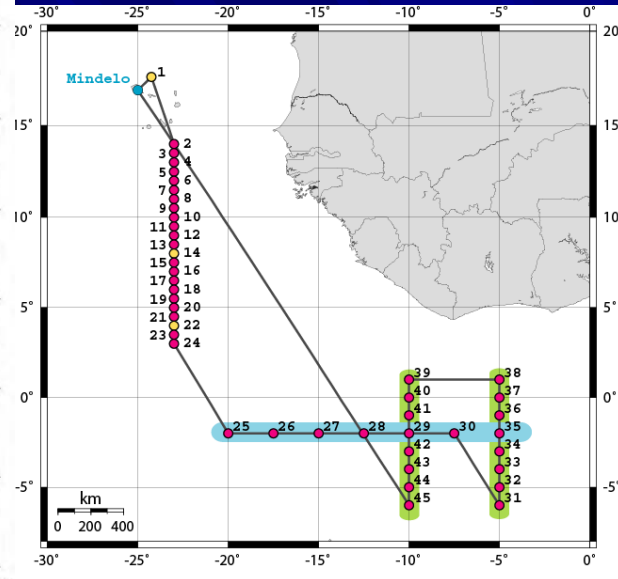
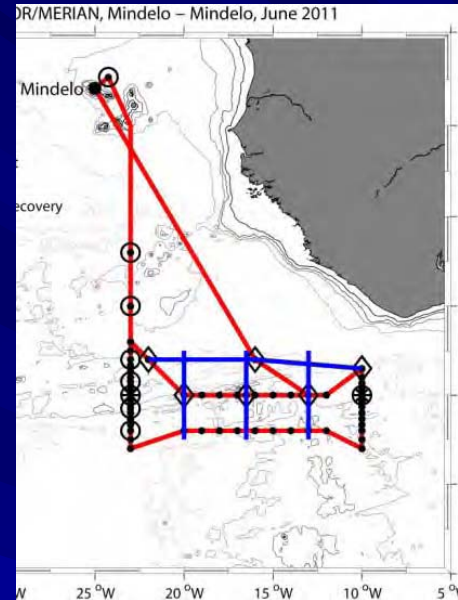
Several repeats of the A2 section with carbon, nutrients, oxygen and tracers during the last ~ 20 years

Reiner Steinfeldt: rsteinf@physik.uni-bremen.de

The Tropical Atlantic



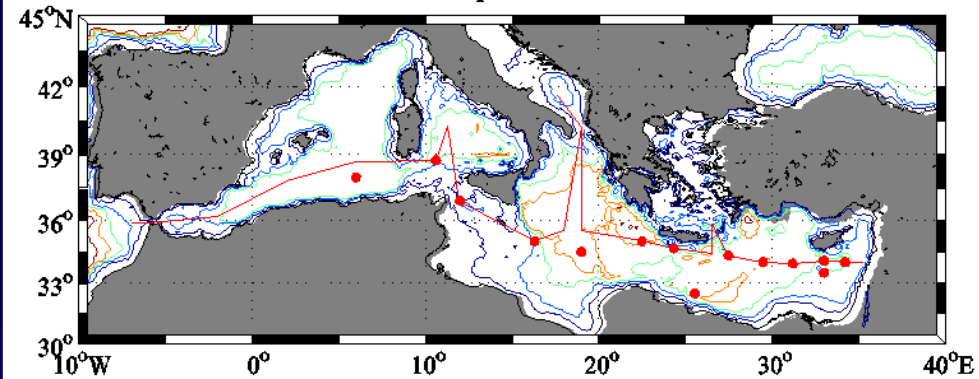
The 23° W line is frequently repeated by the IFM-GEOMAR group in Kiel.
This is the cruise track of the 2009 cruise



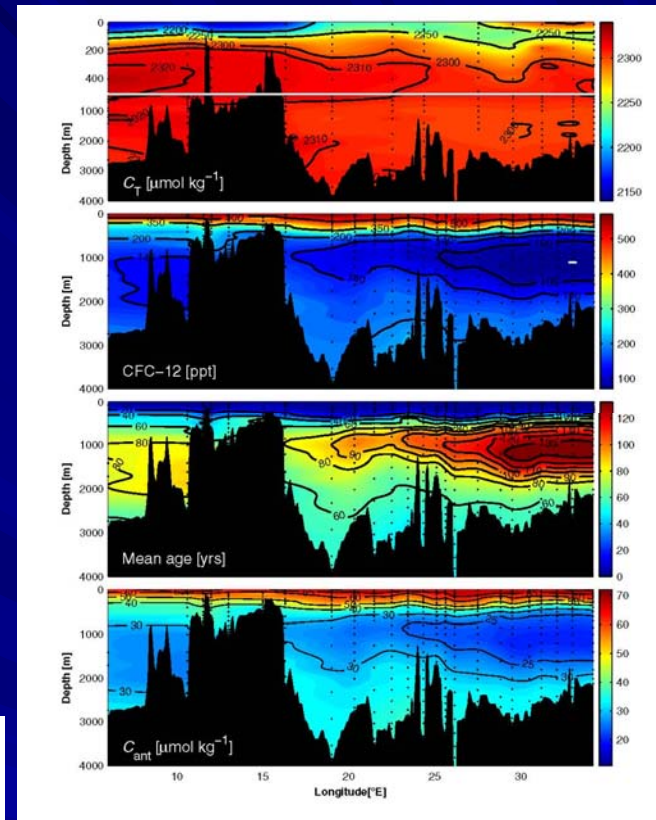
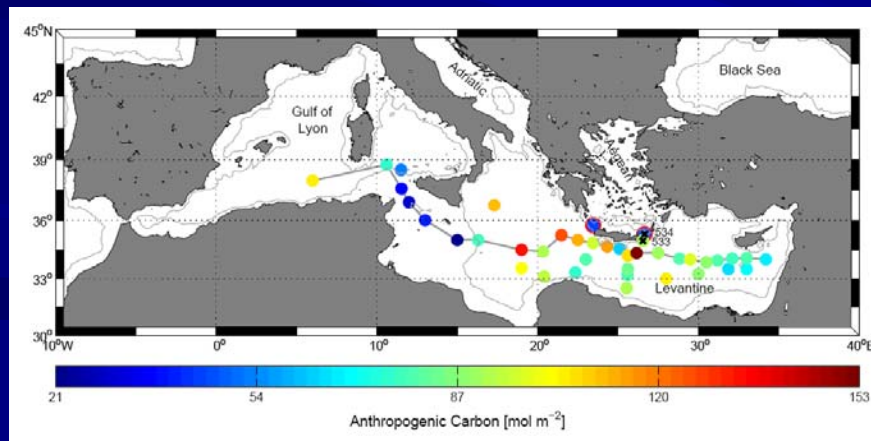
Planned cruise track for the Maria S. Merian in 2011.
Two back-to-back legs

The Mediterranean

Track for Repeat line in the Med



Cruise track for a proposed cruise in 2011 on The RV Poseidon. Joint project between IFM-GEOMAR (Kiel), ZMAW (Hamburg) and IEO (La Coruna).



Schneider et al., in review

These result are from a cruise in 2001