



OVIDE 2002 : A HYDROGRAPHIC SECTION FROM GREENLAND TO PORTUGAL

The OVIDE Team

LPO, IIM Vigo, LCM, LODYC, LEGOS (Herle.Mercier@ifremer.fr/33298224496)

The Ovide project aims at repeating a trans-oceanic hydrographic section from Greenland to Portugal every other years for ten years. The goal is to contribute to the monitoring of the inter-annual variability of the water masses as well as the variability of the mass, heat, and tracer transports in the northern North Atlantic Ocean. This is a contribution to CLIVAR. We present a preliminary analysis of the first Ovide hydrographic line that was carried out in June-July 2002 on R/V Thalassa. We discuss the observed distributions of hydrographic, biochemical tracers and anthropogenic carbon as well as direct velocity measurements obtained from vm-ADCP and l-ADCP. The absolute transports across the Ovide line are estimated using a box inverse model. The result of a preliminary computation is presented and meridional overturning and heat transport estimates are provided.