



## **Variability of the MOC across Ovide section between 2002 and 2004**

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The North Atlantic Meridional Overturning Circulation across the OVIDE section is analysed (Greenland-Portugal, WOCE A25). For different years in summer, absolute transports are estimated using a box inverse model, based on geostrophy, direct velocity measurements, Ekman transport estimates and mass conservation. July 2002 was characterized by a particularly weak overturning circulation as compared to 1997. Then, we observed an intensification of the MOC in 2004, compared to 2002. It came with increased transport of overflow waters (from Denmark Strait and Iceland-Scoland Ridge) and a weaker southward recirculation of the North Atlantic Current. These results will be discussed with respect to numerical model results.