

Measurements of AMOC components in the subpolar North Atlantic

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The subpolar North Atlantic is a key area for the Atlantic Meridional Overturning Circulation, characterized by an inflow of the warm and saline North Atlantic Current (NAC), and a southward export of deep water. Since several years, we study circulation and water mass transformation with moored instruments in the Newfoundland Basin and at the Mid Atlantic Ridge, shipboard measurements (velocity, T/S, transient tracers), Argo profiles and satellite data. The most recent results will be presented.