

The meridional overturning circulation in the North Atlantic: new results and new questions

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Over the past fifteen years, the international oceanographic community has placed a strong emphasis on observing and modeling the modern Atlantic Meridional Overturning Circulation (AMOC). Several trans-basin arrays have been deployed to continuously measure the AMOC, and dozens of modeling studies have focused on elucidating the character and mechanisms of its variability. The collective input from these efforts has transformed our current understanding of this global circulation feature. I plan to discuss that transformation, with a focus on the North Atlantic and on results from OSNAP (Overturning in the Subpolar North Atlantic Program).