

## Atlantic Meridional Overturning Circulation Observed at 16N

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The Meridional Overturning Variability Experiment (MOVE) has observed the deep limb of the Atlantic Overturning at a latitude of 16N since early 2000. The observations focus on the depth layers of North Atlantic Deep Water, and include Antarctic Intermediate and Bottom Waters above and below, respectively. Here, we present the latest time series from the MOVE data holdings and discuss the following topics: Use of satellite-based gravimetry data and seafloor pressure observations as "reference levels" for geostrophic velocities; Decadal variability in hydrographic properties of the target water masses; Use of numerical simulations to test assumptions made in the observational processing; Correlations of signals (or lack thereof) between MOVE data and results from other latitudes; Data quality and sensor calibration issues in deep-ocean observing. MOVE is a contribution to the international OceanSITES program, and its data are freely available.