## Preliminary results on lateral mixing from the DIMES Experiment

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The Diapycnal and Isopynal Mixing Experiment in the Southern Ocean (DIMES) is an ongoing CLIVAR process study designed to study mixing in the Antarctic Circumpolar Current, including tracer release, floats, and small-scale turbulence. This presentation will report on the initial results of the float component, from floats deployed across the ACC in the Southeast Pacific Ocean. These are the first subsurface Lagrangian trajectories from the ACC. Floats were deployed to follow approximately a constant density surface for a period of 1-3 years. Experimental design and initial results will be presented, suggesting substantial cross-frontal motion over the period of the experiment.