

Department of Physics and Physical
Oceanography Colloquium

"Deconstructing the Conveyor Belt"

Susan Lozier

Duke University



The widely held view that the meridional overturning circulation of the global ocean is contained, at depth, within coherent and continuous western boundary currents is challenged by recent subsurface float observations in the North Atlantic. Similarly, recent analyses of surface drifters in the North Atlantic raise questions about the suitability of the conveyor belt paradigm for describing the observed exchange between the subpolar and subtropical gyres. In my talk, I will review these studies and offer an alternate view of the ocean's overturning circulation.

Thursday, October 23, 2008

3:30 PM

DeLoach Hall, Room 212

Refreshments will be served