

## Kathleen A. Donohue



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### Educational Background

Ph.D., University of Rhode Island, Oceanography, 1996

B.S., Brown University, Applied Mathematics, 1988

### Areas of Specialization

Kathleen Donohue is a physical oceanographer whose research interests include describing the global ocean velocity structure with particular focus on western boundary and subpycnocline current regimes utilizing acoustic Doppler current profilers and hydrographic data sets, data-model comparisons, and numerical models to provide insight into ocean dynamics.

### Recent Presentations

K.A. Donohue and M.S. McCartney, 2002. A deep cyclonic gyre in the Australian-Antarctic Basin. AGU Ocean Sciences Meeting.

L. Beal, K.A. Donohue and E. Firing, 2002. Observations of the Great Whirl. AGU Ocean Sciences Meeting.

K.A. Donohue, E. Firing, G.D. Rowe, A. Ishida, and H. Mitsudera, 2000. Comparison Between Observed and Modeled Pacific Equatorial Subsurface Countercurrents. AGU Ocean Sciences Meeting.

K.A. Donohue, E. Firing, and S. Chen, 2000. Velocity Structure of the Subantarctic Front in the Southern Ocean AGU Fall Meeting.

E. Firing, K.A. Donohue, P. Hacker, and J. Hummon, 1998. Currents in the North Atlantic Subpolar Gyre: Three Surveys. AGU Ocean Sciences Meeting.

## Recent Publications

Rossby, T., C. Flagg, and K.A. Donohue, 2005. Interannual variations in upper-ocean transport by the Gulf Stream and adjacent waters between New Jersey and Bermuda. *J. Mar. Res.*, 63, 203-226.

McCartney, M.S. and K.A. Donohue, 2005. A cyclonic gyre in the Atlantic Australian Basin. Submitted to *Prog. in Ocean*.

Donohue, K.A. and J. Toole, 2003. A near-synoptic survey of the Southwest Indian Ocean, *Deep-Sea Res.*, 50, 1893-1931.

Donohue, K.A., E. Firing, G. D. Rowe, A. Ishida, and H. Mitsudera, 2002. Comparison between observed and Modeled Pacific Equatorial Subsurface Countercurrents, *J. Phys. Ocean*, 32, 1252-1264.

Donohue, K.A., E. Firing, and S. Chen, 2001. Absolute Geostrophic Velocity within the Subantarctic Front in the Pacific Ocean, *J. Geophys. Res.*, 106, 19,869-19,882.