

BIOGRAPHY: CAROL ANNE CLAYSON
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GRADUATE EDUCATION: Ph.D., Aerospace Engineering Sciences, Program in Atmospheric and Oceanic Sciences, The University of Colorado, 1995. M.S., Aerospace Engineering Sciences, The University of Colorado, 1990

PROFESSIONAL EXPERIENCE:

2003- Director, Geophysical Fluid Dynamics Institute (FSU)
2002- Associate Professor, Department of Meteorology (FSU)
2001-2002 Associate Professor, Department of Earth and Atmospheric Sciences (Purdue)
1995-2001 Assistant Professor, Department of Earth and Atmospheric Sciences (Purdue)

SELECTED HONORS:

2000 Presidential Early Career Award for Scientists and Engineers (PECASE); 2000 ONR Young Investigator Award; 1996 NSF CAREER Award; 2005 FSU Developing Scholar Award

SELECTED RECENT PROFESSIONAL SERVICE/ACTIVITIES:

Member, National Research Council Board on Atmospheric Sciences and Climate, 2005 –
Chair, GEWEX SEAFLUX Project, 2005 -
Member, National Research Council Panel on Water Cycle and Water, 2005 – 2007
Member, AMS Committee on Interaction of the Sea and Atmosphere, 2000 – 2005
Member, AMS Board of Meteorological and Oceanographic Education in Universities 2000-2003

NATIONAL RESEARCH COUNCIL REPORTS: 2004 (2), 2006 (2), 2007 (2)

GRADUATE STUDENTS: Past: 2 Ph.D., 9 M.S. Current: 4 Ph.D., 1 M.S.

FUNDING FROM: NASA, NSF, NOAA, ONR

BOOKS:

Kantha, L. H., and C.A. Clayson, 2000: *Numerical Models of Oceans and Oceanic Processes*. International Geophysics Series, Volume 66. Foreword by Kirk Bryan. Academic Press, pp. 940.

Kantha, L. H., and C.A. Clayson, 2000: *Small Scale Processes in Geophysical Flows*. International Geophysics Series, Volume 67. Foreword by Walter Munk. Academic Press, pp. 888.

BOOK CHAPTERS: 2

SELECTED RECENT REFEREED PUBLICATIONS: (from a total of 30)

Clayson, C.A. and L. H. Kantha, 2008: On turbulence and mixing in the free atmosphere. *J. Atmos. Oceanic Tech.*, (in press).

Clayson, C. A., M. Luneva, and P. Cunningham, 2008: Upwelling and downwelling regimes: connections between surface fronts and abyssal circulation. *Dyn. Atmos. Oceans.*, special issue, invited, (in press).

Jordan, M. R. and C. A. Clayson, 2008: A new approach to using wind speed for prediction of tropical cyclone generated storm surge. *Geophys. Res. Lett.* (in press).

Jordan, M. R. and C. A. Clayson, 2008: Evaluating the usefulness of a new set of hurricane classification indices. *Mon. Wea. Rev.*, (in press).

Clayson, C. A. and D. Weitlich, 2007: Variability of tropical diurnal sea surface temperature. *J. Climate*, 20, 334-352.