

Austin C. Todd

CONTACT INFORMATION

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RESEARCH INTERESTS

Coastal physical oceanography, numerical modeling, bio-physical connectivity, fisheries oceanography, coastal meteorology, and polar oceanography.

EDUCATION

2013	PhD Oceanography, Florida State University
2007	BS Meteorology (<i>cum laude</i>), Florida State University
2007	BS Mathematics (<i>cum laude</i>), Florida State University

PROFESSIONAL EXPERIENCE

2013–present	Postdoctoral Research Scholar North Carolina State University, Raleigh, NC USA
2007–2013	Graduate Research Assistant Center for Ocean-Atmospheric Research Studies (COAPS) Florida State University, Tallahassee, FL USA
2006–2007	Undergraduate Research Assistant Center for Ocean-Atmospheric Research Studies (COAPS) Florida State University, Tallahassee, FL USA
2003–2006	Undergraduate Lab Assistant Dr. Jon Ahlquist Lab (Meteorology) Florida State University, Tallahassee, FL USA
2002–2003	Intern/Research Assistant StormCenter Communications, Inc., Ellicott City, MD USA

TEACHING AND OUTREACH

Spring 2014	Guest Lecturer (8 Lectures) <i>MEA642: Observational Methods and Data Analysis in Marine Physics</i> , North Carolina State University
Spring 2013	Guest Lecturer (1 Lecture) <i>OCE4017: Issues in Environmental Science</i> , Florida State University
May 2012	Scientist in the Classroom <i>Career Day</i> , Stars Middle School, Tallahassee, FL
Jul & Dec 2011	Lecturer <i>Antarctic Research Facility Tour</i> , Florida State University
Summer 2009	Mentor <i>Young Scholars Program</i> , Florida State University
Spring 2009	Instructor <i>Saturday at the Sea</i> , Florida State University Coastal and Marine Laboratory
Fall 2008	Guest Lecturer (1 Lecture) <i>OCE4017: Issues in Environmental Science</i> , Florida State University

HONORS AND AWARDS	2012	NOAA-AOML Graduate Research Fellowship	
	2010	Florida Sea Grant Guy Harvey Excellence Award Recipient	
	2010	2nd place, Student Poster Contest, NGI Annual Meeting	
	2009–2011	Graduate Student Representative (FSU Oceanography)	
	2009–2010	Vice President, Thalassic Society, FSU	
PROFESSIONAL SOCIETIES	American Geophysical Union		
	American Meteorological Society		
	American Association for the Advancement of Science		
	The Oceanographic Society		
	Phi Beta Kappa		
	Phi Mu Epsilon		
SEAGOING EXPERIENCE	Chi Epsilon Pi		
	SEAMAP Fall Ichthyoplankton Cruise		14–30 September 2010
	<i>R/V Gordon Gunter</i> , Gulf of Mexico		
	Apalachicola Bay Cruise		8–10 April 2009
	<i>R/V Bellows</i> , Northeastern Gulf of Mexico		
PROPOSALS	CLIVAR I6S Research Cruise		Feb–March 2008
	<i>R/V Roger Revelle</i> , Southern Indian Ocean		
PUBLICATIONS	NOAA FATE 2014 (\$89,291): Karnauskas, M., K. Shertzer, R. A.C. Todd , C.B. Paris, S. Lowerre-Barbieri, D. Eggleston, J. Tetzlaff, and T. Kellison. Use of a biophysical modeling framework to develop recruitment indices for inclusion in stock assessments in the Gulf of Mexico and South Atlantic. (not funded)		
	Todd, A.C. , and R. He: Age and residence time of terrestrial source water in the Western Atlantic. (in preparation).		
	Johansen, C., A.C. Todd , W. Shedd, and I. MacDonald: Quantifying the volume and frequency of bubble release rate from hydrocarbon seeps in the Gulf of Mexico: GC600. <i>Marine and Petroleum Geology</i> (in preparation)		
PRESENTATIONS	Todd, A.C. , S.L. Morey, and E.P. Chassignet: Circulation and cross-shelf transport in the Florida Big Bend. <i>J. of Marine Research</i> (in review).		
	Todd, A.C. , 2013: <i>Circulation dynamics and larval transport mechanisms in the Florida Big Bend</i> . Florida State University, PhD Dissertation, 90pp.		
	Todd, A.C. , R. He, 2014: <i>Age and residence time of terrestrial source water in the Western Atlantic Ocean</i> (Poster). Postdoctoral Research Symposium, North Carolina State University		
	Todd, A.C. , S.L. Morey, E.P. Chassignet, 2013: <i>Circulation dynamics and larval transport mechanisms in the Florida Big Bend</i> (Poster). Gordon Research Conference on Coastal Ocean Circulation, Biddeford, ME, June 2013.		
	Todd, A.C. , S.L. Morey, E.P. Chassignet, 2013: <i>Circulation dynamics and larval transport mechanisms in the Florida Big Bend</i> (Talk). Gordon Research Seminar on Coastal Ocean Circulation, Biddeford, ME, June 2013.		
	Todd, A.C. , 2012: <i>Simulating ocean currents and the movement of grouper larvae</i> (Exhibit). FSU Digitech, Tallahassee, FL, 2013. site: http://digitech.fsu.edu/x/2013/261		

Todd, A.C., 2012: *Circulation dynamics and larval transport mechanisms in the Florida Big Bend* (Talk). Physical Oceanography Dissertation Symposium VII, Lihue, Kauai, HI, 2012.

Todd, A.C., S.L. Morey, E.P. Chassignet, 2011: *Circulation dynamics and larval transport mechanisms in the Florida Big Bend* (Poster). Gordon Research Conference on Coastal Ocean Modeling, Holyoke, MA, June 2011.

Todd, A.C., S.L. Morey, E.P. Chassignet, 2010: *Understanding circulation dynamics and larval transport mechanisms in the Florida Big Bend region using a high-resolution ocean model* (Poster). AGU Ocean Sciences, Portland, OR, February 2010.

Todd, A.C., S.L. Morey, E.P. Chassignet, 2009: *High-resolution modeling of the Florida Big Bend* (Talk). Northern Gulf Institute Annual Meeting, Mobile, AL, May 2009.

Todd, A.C., S.L. Morey, E.P. Chassignet, 2009: *High-resolution modeling of the Florida Big Bend* (Poster). Gordon Research Conference on Coastal Ocean Circulation, New London, NH, June 2009.

Todd, A.C., J. Dong, L. Jullion, and K. Speer, 2008: *Frontal structure of the Southwest Indian Ocean and the Antarctic Circumpolar Current from CLIVAR I6S repeat hydrography data* (Poster). American Geophysical Union Fall Meeting, San Francisco, CA, December 2008.

J. Dong, K. Speer, and **A.C. Todd**, 2008: *Transport and variability on CLIVAR section I6S from South Africa to Antarctica* (Poster). American Geophysical Union Fall Meeting, San Francisco, CA, December 2008.

Todd, A.C., 2008: *Bottom transport of gag larvae on the Northeastern Gulf of Mexico continental shelf* (Talk). Third Annual Oceanography Symposium, Florida State University Department of Oceanography, Tallahassee, FL, November 2008.

Todd, A.C., 2007: *A comparison of the Keetch-Byram drought index to wildfire statistics in the state of Florida* (Poster). Florida State University undergraduate research symposium, Tallahassee, FL, April 2007.

OTHER SKILLS

Computer Skills

- Languages: Fortran, Perl, HTML, Shell scripting
- Applications: MATLAB, IDL, VisIt, L^AT_EX, Microsoft Office products, Adobe products
- GIS Certifications: DIVA-GIS, AccuGlobe, experience with Quantum GIS (for Mac).
- Operating Systems: Mac, Windows, Unix/Linux, High Performance Parallel Computing

Diving

- PADI Advanced Open Water Certification
- AAUS Certified Science Diver
- Hazmat, O₂, CPR, First Aid, Nitrox, Dry Suit

LANGUAGES

- English: Primary language French: Conversational