

Anna C. Savage

CONTACT INFORMATION	Randall Laboratory 450 Church Street Ann Arbor, MI 48109-1005	Office: (734) 764-1435 E-mail: savagea@umich.edu Website: annasavage.github.io
RESEARCH INTERESTS	Internal gravity waves, internal tides, ocean mixing, geophysical fluid dynamics, and tidal aliasing in satellite altimetry	
EDUCATION	<p>University of Michigan, Ann Arbor, MI <i>Ph.D.</i>, Applied Physics Program, Advisor: Brian Arbic 2011-2017</p> <p>Kalamazoo College, Kalamazoo, MI <i>B.A.</i>, Physics Major with Applied Math and Studio Art Minors <i>Thesis: Analysis of chaotic network dynamics to determine the physical connectivity within neuronal networks—honors</i> 2007-2011</p> <p>Université de Strasbourg, Strasbourg, France Study Abroad 2009-2010</p>	
RESEARCH AND FIELD EXPERIENCE	<ul style="list-style-type: none">• Post-doctoral research fellow (current) Co-advised by Jen MacKinnon, Amy Waterhouse, Sam Kelly Scripps Institution of Oceanography, San Diego, CA 2017-present• NASA Earth and Space Science Fellowship Graduate research fellow with Brian Arbic University of Michigan, Ann Arbor, MI 2016-2017• Gulf of Mexico Cruise (R/V Pelican): associated with Consortium for Coastal and River-Dominated Ecosystems (CONCORDE), river plume surveys, wind-driven mixing, tidal-driven mixing April 2016• Equatorial Pacific Cruise (R/V Oceanus): tropical instability waves, Equatorial undercurrent, hydrothermic ventilation, Equatorial cold tongue November 2014• NSF Research Experience for Undergraduates Biophysics Department University of Michigan, Ann Arbor, MI Summer 2010	
PUBLICATIONS	<ul style="list-style-type: none">• Savage, A. C., B. K. Arbic, J. G. Richman, J. F. Shriver, M. H. Alford, M. C. Buijsman, J. T. Farrar, H. Sharma, G. Voet, A. J. Wallcraft, and L. Zamudio (2017), Frequency content of sea surface height variability from internal gravity waves to mesoscale eddies, <i>J. Geophys. Res. Oceans</i>, 122, doi:10.1002/2016JC012331.• Savage, A. C., B. K. Arbic, M. H. Alford, J. K. Ansong, J. T. Farrar, D. Menemenlis, A. K. O'Rourke, J. G. Richman, J. F. Shriver, G. Voet, A. J. Wallcraft, and L. Zamudio (accepted), Spectral decomposition of internal gravity wave sea surface height in global models, <i>J. Geophys. Res. Oceans</i>, doi:10.1002/2017JC013009.	

POSTERS AND PRESENTATIONS

- Sea surface signatures of internal gravity waves
CASPO Seminar, Scripps Institution of Oceanography, San Diego, CA March 2017
- Sea surface height variability from internal gravity waves
to mesoscale eddies and effects on satellite altimetry.
Physical Oceanography Dissertation Symposium, Honolulu, HI October 2016
- Sea surface height signatures of internal gravity waves
POA Seminar, Oregon State University, Corvallis, OR October 2016
- Internal gravity wave contributions to sea-surface variability.
AGU Ocean Sciences Meeting, New Orleans, LA February 2016
- Wavenumber Spectral Exercises with HYCOM
and the SWOT Ocean Simulator.
SWOT Science Definition Team Meeting, Toulouse, France July 2015
- High Frequency Tests in the Surface Water
and Ocean Topography (SWOT) Ocean Simulator.
SWOT Science Definition Team Meeting, La Jolla, California January 2015
- Analysis of tidal aliasing using tide gauges and an eddying
global ocean model with embedded tides (poster).
AGU Ocean Sciences Meeting, Honolulu, HI February 2014
- Comparison of sea surface height in tide gauges and
high-resolution ocean simulations with embedded tides.
Layered Ocean Model Meeting, Ann Arbor, MI June 2013

TEACHING AND OUTREACH

- Graduate Student Instructor
University of Michigan Physics Department
University of Michigan, Ann Arbor, MI Winter 2016
- Organizing committee member
APS Conference for Undergraduate Women in Physics
University of Michigan, Ann Arbor, MI January 2015
- Lead organizer for Society for Women in Physics Demo Day
Slauson Middle School, Ann Arbor, MI February 2014
- Calculus and physics teaching assistant
Mathematics and Physics Departments
Kalamazoo College, Kalamazoo, MI 2008-2011
- Student community organizer
Vine Neighborhood Association
Kalamazoo, MI Spring 2008