Anna C. Savage

Contact Information

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Research Interests

Internal gravity waves and internal tidal contributions to sea-surface height and ocean mixing

Tidal aliasing in satellite altimetry

Education

University of Michigan, Ann Arbor, MI
Ph.D., Applied Physics Program, Advisor: Brian Arbic — 2011-present

Kalamazoo College, Kalamazoo, MI
B.A., Physics Major with Applied Math and Studio Art Minors — 2007-2011

Université de Strasbourg, Strasbourg, France Study Abroad — 2009-2010

Research and Teaching Experience

- Graduate Student Instructor
  University of Michigan Physics Department — Winter 2016
- Researcher with Dr. Jim Moum
  Equatorial mixing cruise (EQ14) in Pacicific Ocean — November 2014
- Calculus and physics teaching assistant
  Mathematics and Physics Departments
  Kalamazoo College, Kalamazoo, MI — 2008-2011
- National Science Foundation Biophysics
  Research Experience for Undergraduates. Biophysics Department
  University of Michigan, Ann Arbor, MI — 2010

Posters and Presentations

- 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.
- Savage, A. C., B. K. Arbic, J. G. Richman, J. F. Shriver, M. C. Buijsman, A. J. Wallcraft, L. Zamudio, and H. Sharma (in prep), Frequency content of sea-surface height from internal waves to mesoscale eddies.