

## STEFANIE MACK

Center for Coastal Physical Oceanography | 4111 Monarch Way, 3<sup>rd</sup> Floor, Norfolk, VA 23507 | 724-584-0127 | mack@ccpo.odu.edu

### EDUCATION

Old Dominion University, Norfolk, VA

**Doctoral Student**

**2010-present**

Physical Oceanography

GPA: 3.96/4.0

Westminster College, New Wilmington, PA

**B.S. in Physics, magna cum laude**

**2010**

Minor: Mathematics

### PRESENTATIONS

**Mack, S.,** L. Padman, S. Springer, M. Dinniman, J. Klinck, Sea ice variability in the Ross Sea forced by tides: Satellite observations and modeling, poster presentation, AMS Polar Meteorology and Oceanography, Seattle, WA, April 29 – May 1, 2013

*Best Student Poster award; Dorothy Brown-Smith departmental travel award received.*

**Mack, S.,** L. Padman, S. Springer, M. Dinniman, J. Klinck, Sea ice variability in the Ross Sea forced by tides: Satellite observations and modeling, poster presentation, Polar Marine Science Gordon Research Conference & Seminar, Ventura, CA, March 9-15, 2013

*Student travel grant provided by the DOE.*

**Mack, S.,** Tides and sea ice in the Ross Sea: Investigations using satellite data and models, invited presentation, CCPO seminar series, ODU, Norfolk, VA, February 18, 2013

**Mack, S.,** S. Springer, M. Dinniman, L. Padman, J. Klinck, Diurnal tidal effects on sea ice concentration in the Ross Sea from AMSR-E satellite data and a regional ocean model, oral presentation, SCAR, Portland, OR, July 16-19, 2012

**Mack, S.,** J.M. Klinck, and L. Padman, Observing a diurnal tidal effect on sea ice concentration in the Ross Sea using AMSR-E satellite data, poster presentation, 2012 Ocean Sciences Meeting, Salt Lake City, UT, February 20-24, 2012

### PUBLICATIONS

**Mack, S.,** L. Padman, J. Klinck, Extracting tidal variability of sea ice concentration from AMSR-E passive microwave single-swath data: A case study of the Ross Sea, *Geophys. Res. Lett.*, in press.

### PROFESSIONAL EXPERIENCE

Old Dominion University, Norfolk, VA

**Graduate Research Assistant**

**August 2010 – present**

Advisor: John Klinck

College of William and Mary

**REU student**

**Summer 2009**

Advisor: Silvina Pagola

University of Michigan

**REU student**

**Summer 2008**

Advisor: Fred Becchetti

EXTRACURRICULAR ACTIVITIES

Blue Crab Bowl (National Ocean Sciences Bowl) Volunteer	2011, 2013
Graduate Student Org. Vice President, Dept. of Ocean, Earth, and Atmospheric Sciences	2011-2012
ResClim sea ice summer school participant, UNIS, Svalbard	Summer 2011

MEMBERSHIPS

Association of Women in Science	2012-present
American Meteorological Society	2012-present
Golden Key International Honour Society	2012-present
Association of Polar Early Career Scientists (APECS)	2011-present
American Geophysical Society	2011-present
Sigma Pi Sigma	