

Dave Porter Curriculum Vitae

Ph.D. Candidate

Department of Atmospheric and Oceanic Sciences ([ATOC](#))
Cooperative Institute for Research in Environmental Sciences ([CIRES](#))
National Snow and Ice Data Center ([NSIDC](#))
University of Colorado, Boulder, CO

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Address:

Dave Porter
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UCB 216
University of Colorado
Boulder, CO 80309

Education

Ph.D. Candidate: [Comprehensive Exam I and II](#) completed (written and orals), Atmospheric and Oceanic Science, University of Colorado, Boulder, Colorado. Committee members: [Professor John Cassano](#), [Professor David Noone](#), [Professor Peter Pilewski](#), [Dr. Mark Serreze](#), and [Dr. Marika Holland](#).

M.S., May 2009, Atmospheric and Oceanic Science, University of Colorado, Boulder, Colorado.

B.S. with honors, May 2006, Major in Meteorology, Minor in Marine Science; Rutgers, The State University of New Jersey, New Brunswick, New Jersey.

Honors and Awards

Meteorology Student of the Year, Rutgers University, 2005-2006.

Experience

University of Colorado at Boulder:

Graduate Research Assistant under [Professor John Cassano](#) of the Atmospheric and Oceanic Sciences Department ([ATOC](#)) and Cooperative Institute for Research in Environmental Sciences ([CIRES](#)) at the University of Colorado at Boulder and [Dr. Mark Serreze](#), Director of the National Snow and Ice Data Center ([NSIDC](#)) in Boulder, Colorado; May 2007 to present.

Independent Study: Creating a 6 m Weather Tower under Professor David Noone, May 2008 to present.

MMM Semi-annual WRF Tutorial at NCAR, January 2009.

Teaching Assistant, Atmospheric and Oceanic Sciences 1070: Weather and the Atmosphere Laboratory; Fall 2006 and Spring 2007.

Rutgers University:

George H. Cook scholar, Senior Thesis title: "Snow Ice Albedo Feedback: Comparing Interannual Variability to Long Term Climate Change" under Professor Anthony Broccoli January 2005 to May 2006.

Meteorology Club

Public Service Energy and Gas (PSE&G) Forecaster

Newspaper Forecaster

Weather Watchers lead producer.

Climate Station Observer

Relevant Coursework Completed

Related Graduate Courses Completed at the University of Colorado at Boulder: Atmospheric Dynamics I & II, Theory of Climate Variability, Weather Forecasting, Physical Oceanography, Atmospheric Chemistry, Clouds and Aerosols, Remote Sensing of the Atmosphere and Oceans, Modeling in Applied Math, Instrumentation Laboratory, Independent Study: Creating a Weather Tower

Related Undergraduate Courses Completed at Rutgers University: See transcript

Publications

Porter, D.F., J.J. Cassano, M.C. Serreze, D. Kindig, (2009) Changes in the Large Scale Energy Budget of the Arctic, *submitted to Journal of Geophysical Research-Atmospheres, May 2009.*

Non-peer reviewed publications:

Porter, D.F., 2008: A New Estimate of the Large Scale Arctic Energy Budget. [Comprehensive Exam II](#), University of Colorado at Boulder, [Department of Atmospheric and Oceanic Science](#).

Presentations

Talks

Porter, D.F., 2008: A New Estimate of the Large Scale Arctic Energy Budget. [Comprehensive Exam II](#), University of Colorado at Boulder Department of Atmospheric and Oceanic Science, Boulder, CO.

Posters

Porter, D.F., J.J. Cassano, M.C. Serreze, 2008: A New Estimate of the Large Scale Arctic Energy Budget. Poster. American Geophysical Union (AGU) 2008 Fall Meeting, San Francisco, CA.

Porter, D.F., 2008: A New Estimate of the Large Scale Arctic Energy Budget, October, 2008: Poster. 2008 Atmospheric and Oceanic Sciences Student Poster Conference at the University of Colorado at Boulder, Boulder, CO.

Porter, D.F., 2007: The Arctic Energy Budget in the Japanese Reanalysis. November, 2007: Poster. 2007 Atmospheric and Oceanic Sciences Student Poster Conference at the University of Colorado at Boulder, Boulder, CO.

Professional Affiliations

American Meteorological Society ([AMS](#)), Student Member

American Geophysical Union ([AGU](#)), Student Member

Service

Serving on the ATOC Social Committee for the Department of Atmospheric and Oceanic Sciences at the University of Colorado at Boulder, 2006-2007, 2008-2009.

Serving on the ATOC Student Concerns Committee for the Department of Atmospheric and Oceanic Sciences at the University of Colorado at Boulder, 2008-2009.

AMS conference student assistant 2005, 2006.

National Ice Core Laboratory volunteer, Denver, Colorado; February, 2009 under Dr. Matthew Nolan.

Roche Colorado Regional Science Fair Judge; February 26, 2009.

Conferences Attended

American Geophysical Union (AGU) 2008 Fall Meeting, December 15-19, 2008, San Francisco, CA.

American Meteorological Society (AMS) 2006 Annual Meeting, January 2006, Atlanta, GA.

American Meteorological Society (AMS) 2005 Annual Meeting, January 2005, San Diego, CA.

Skills

Linux, IDL, NCL, Fortran, Matlab, HTML, WRF model

Hobbies

Banjo player, Chinchilla caretaker, Telemark Skier, Windsurfer, Zymurgist