

## Luke Schiferl

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### Education

M.S., Colorado State University, Fort Collins, CO  
Atmospheric Science  
Program Underway

B.S., University of Wisconsin-Madison, Madison, WI  
Atmospheric and Oceanic Sciences, Environmental Studies Certificate  
May 2010

### Experience

Graduate Research Assistant  
Colorado State University, Fort Collins, CO  
Advisor: Colette Heald  
August 2010-Present

Summer Intern, Undergraduate Student Research Program  
Short-term Prediction Research and Transition (SPoRT) Center  
NASA Marshall Space Flight Center, Huntsville, AL  
Advisor: Gary Jedlovec  
June-August 2009  

- *Analyzed and evaluated the effectiveness of enhanced MODIS/AMSR-E sea surface temperature products.*

Undergraduate Student Hourly  
Cooperative Institute for Meteorological Satellite Studies (CIMSS)  
University of Wisconsin-Madison, Madison, WI  
Advisor: Steven Ackerman  
September 2006-July 2010  

- *Composited and analyzed wintertime Great Lakes regional cloud characteristics using derived MODIS dataset as part of senior research project.*
- *Assisted in the development of content and interface aspects of an online climate change course for secondary school teachers.*
- *Supervised and supported the organization of CIMSS-hosted conferences and workshops.*
- *Provided support services to research efforts of CIMSS scientists.*

### Technical Skills

- Knowledgeable in atmospheric physics, radiation processes, climate/environmental studies, vector calculus, matrix and linear algebra
- Experienced using FORTRAN, GEMPAK, GARP, Unix and hand-contour analysis through undergraduate coursework
- Designed, processed and analyzed climate system experiments using the Educational Global Climate Model (EdGCM)
- Retrieved large MODIS datasets from online databases for use by scientists at CIMSS
- Analyzed MODIS imagery using Matlab, McIDAS and HYDRA throughout coursework and CIMSS employment
- Proficient in Microsoft Office, Dreamweaver and HTML

## Honors

Graduate with Distinction  
College of Letters and Science, UW-Madison  
May 2010

Phi Beta Kappa Society Inductee  
Alpha of Wisconsin Chapter, UW-Madison  
April 2010

Dean's List  
College of Letters and Science, UW-Madison  
December 2006, May 2009

William F. Vilas Merit Scholarship Recipient  
College of Letters and Science, UW-Madison  
December 2006

## Other Activities

Officer, including President (2009-2010)  
UW-Madison Student Chapter of the American Meteorological Society (AMS)  
September 2008-May 2010

Volunteer Drop-In Tutor for Calculus, Physics, Atmospheric Science and German  
Greater University Tutoring Service (GUTS), UW-Madison  
September 2007-December 2008

Memberships:  
American Meteorological Society, American Geophysical Union (AGU), Wisconsin Alumni Association

## Presentations

90<sup>th</sup> Annual AMS Meeting, Atlanta, GA  
January 2010

**Luke Schiferl**, Kevin K. Fuell, Jonathon L. Case, and Gary J. Jedlovec. *Evaluation of Enhanced High Resolution MODIS/AMSR-E SSTs and the Impact on Regional Weather Forecasts*. Poster. 14<sup>th</sup> Symposium on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface (IOAS-AOLS).

89<sup>th</sup> Annual AMS Meeting, Phoenix, AZ  
January 2009

**Luke Schiferl**, Steven Ackerman, and Margaret Mooney. *CIMSS Educational Outreach Activities: Summer 2008*. Poster. Eighth Annual AMS Student Conference.

Margaret Mooney, Steven Ackerman, **Luke Schiferl**, Jonathan Martin, and Thomas Whittaker. *Promoting Climate Literacy through K-12 Professional Development Opportunities*. Oral Presentation. 18<sup>th</sup> Symposium on Education.