

Curriculum Vitae

Andrew Kren

University of Colorado-Boulder, Department of Atmospheric and Oceanic Sciences, Laboratory for Atmospheric and Space Physics, Space Science Building (SPSC), 3665 Discovery Drive, Boulder, Colorado 80303 andrew.kren@colorado.edu

Education

B.S., Meteorology, Saint Louis University, St. Louis, MO, 2007

M.S., Meteorology, Saint Louis University, St. Louis, MO, 2009

Ph.D. Candidate, Atmospheric Sciences, University of Colorado at Boulder, 2010-present

Professional Experience

Volunteer Broadcast Meteorologist, Mind's Eye Information Service, 2007-present

Forecaster and Research Assistant utilizing a 60+ Mesonet for short and long range forecasts while pursuing Master of Science degree, Saint Louis University, 2007-2009

Meteorological Assistant, Surface Systems, Inc., 2003-2007

Professional Activities

Participant, Deep Convective Clouds and Chemistry (DC3) experiment, May 2012

Peer Reviewed Publications

Kren, A. C., D. R. Marsh, A. Smith, and P. Pilewskie (2013), Examining the stratospheric response to the solar cycle in a coupled WACCM simulation with an internally generated QBO, *Atmos. Chem. Phys. Discuss.*, 13, 25157-25184, doi:10.5194/acpd-13-25157-2013, 2013.

Kren, A. C., P. Pilewskie, and O. Coddington (2013), An examination of non-Solar and Solar origin energy sources for Earth's atmosphere, *Rev. Geophys.*, in preparation.

Conference Proceedings

Kren, A. C., D. R. Marsh, A. Smith, and P. Pilewskie (2013), Examining the Interaction of the 11-yr Solar Cycle with Atmospheric and Oceanic Circulations: The QBO and Decadal Ocean Variability, Poster Session for Atmospheric, Oceanic, and related Sciences, University of Colorado, Boulder, November 2013.

Kren, A. C., D. R. Marsh, A. Smith, and P. Pilewskie (2012), Examining the Stratospheric response to the Solar cycle in coupled WACCM simulations with an internally generated QBO, Abstract A11J-0179 presented at 2012 fall meeting, AGU, San Francisco, Calif., 3-7 Dec.

Kren, A. C., D. R. Marsh, A. Smith, and P. Pilewskie (2012), Examining the Stratospheric response to the Solar cycle in coupled WACCM simulations with an internally generated QBO, Poster Session for Atmospheric, Oceanic, and related Sciences, University of Colorado, Boulder, November 2012.

Kren, A. C., D. R. Marsh, A. Smith, and P. Pilewskie (2012), Examining the Stratospheric response to the Solar cycle in coupled WACCM simulations with an internally generated QBO, 4th International HEPPA-SOLARIS Workshop, National Center for Atmospheric Research, Boulder, CO, 9-12 October 2012.

Kren, A. C., P. Pilewskie, O. Coddington, and S. Schmidt (2011), The Role of the Sun in Climate: An examination of Secondary Energy Sources and the Recent Extended Solar Minimum, Poster Session for Atmospheric, Oceanic, and related Sciences, University of Colorado, Boulder, December 2011.

Kren, A. C. (2009), Quality Assurance and Unique Findings in the Ameren-UE Quantum Weather Mesonet, Missouri Academy of Science, Maryville, MO, April 2009.

Kren, A. C. (2007), Comparison of the December 24, 1999 snow event to the December 30, 2000 event, Saint Louis University Student Chapter of the AMS, St. Louis, MO, April 2007.