

WALKER SCOTT ASHLEY

Meteorology Program • Department of Geography • Northern Illinois University
219-D Davis Hall • DeKalb • Illinois • 60115 • (815) 753-0631

EDUCATION

- 2001-2005 Doctor of Philosophy, University of Georgia, Athens, GA; Dept. of Geography
- 1998-2000 Master of Science (Meteorology-Climatology Specialization), University of
Nebraska, Lincoln, NE; Dept. of Geosciences
- 1995-97 Bachelor of Science (*Magna Cum Laude*), University of Georgia, Athens, GA;
Dept. of Geography
- 1993-95 Associate of Science, Young Harris College, Young Harris, GA

ACADEMIC EMPLOYMENT

- 2005-present *Assistant Professor*, Department of Geography, Northern Illinois University
Instructor of Record for: *Introduction to Atmosphere, Severe and Hazardous Weather,*
GIS Applications in Meteorology and Climatology, Meteorology, Natural Hazards and
Environmental Risk, and *Mesoscale Meteorology*
- 2001-2005 *Teaching Assistant*, Department of Geography, University of Georgia
- 2001-04 *Research Assistant*, Climatology Research Laboratory, University of Georgia
- 1998-2000 *Teaching Assistant*, Department of Geosciences, University of Nebraska

PEER-REVIEWED PUBLICATIONS

- Ashley, W. S., T. L. Mote, P. G. Dixon, S. L. Trotter, J. D. Durkee, E. J. Powell, and A. J. Grundstein, 2003: Distribution of mesoscale convective complex rainfall in the United States. *Monthly Weather Review*, **131**, 12, 3003-3017.
- Ashley, W. S., T. L. Mote, and M. L. Bentley, 2005: On the episodic nature of derecho producing convective systems in the United States. *International Journal of Climatology*, **25**, 1915-1932.
- Ashley, W. S., and T. L. Mote, 2005: Derecho hazards in the United States. *Bulletin of the American Meteorological Society*, **86**, 1577-1592.
- Suckling, P. W., and W. S. Ashley, 2006: Spatial and temporal characteristics of tornado path direction. *The Professional Geographer*, **58**, 20-38.
- Ashley, W.S., 2007: Spatial and temporal analysis of tornado fatalities in the United States: 1880-2005. *Weather and Forecasting* [in press].
- Ashley, S. T., and W. S. Ashley, 2007: The storm morphology of deadly flooding events in the United States. *International Journal of Climatology* [in press].
- Ashley, S. T., and W. S. Ashley, (2007): Flood casualties in the United States. *Journal of Applied Meteorology and Climatology* [in review].
- Hall, S.G., and W. S. Ashley, (2007): The effects of urban sprawl on the vulnerability to a significant tornado impact in northeastern Illinois. *Environmental Hazards* [in review].

Ashley, W. S, T. L. Mote, and M. L. Bentley, (2007): An extensive episode of derecho-producing convective systems in the United States during May-June 1998: A multi-scale analysis and review. *Meteorological Applications* [in review].

Ashley, W.S., and A. Black, (2007): Fatalities associated with nonconvective high-wind events in the United States. *Journal of Applied Meteorology and Climatology* [in review].

RECENT GRANTS

2007-10	NSF Collaborative Proposal: Climatological and Event-based Radar Delineation of UHI Convection for Urban Corridors within the Southeastern U.S.; Co-PI with M. Bentley (NIU) and T. Stallins (FSU) (\$221,128)
2006-08	NIU Undergraduate Research Apprenticeship Program Grants (\$4,550)
2006	NIU Research and Artistry Grant (\$6,874)

RECENT PROFESSIONAL DEVELOPMENT

2006	COMET's workshop on "Atmospheric Science Faculty Multimedia Development," NCAR, Boulder, CO
2005	Geography Faculty Development Alliance's "Workshop for Early Career Geography Faculty," Boulder, CO
2005	"GIS in Weather, Climate, and Impacts" Workshop, Boulder, CO

RECENT PROFESSIONAL & VOLUNTEER SERVICE

2005-current	Supervisor and committee service for a number of NIU M.S. students
2006-current	NIU AMS Club Faculty Advisor
2006-current	Community Collaborative Rain, Hail and Snow Network Volunteer
2005-current	NIU-NWS Cooperative Weather Station Director, Website Developer
2005-07	AAG Annual Meetings Session Chair and Organizer – "Climatological Studies of Severe Weather" Special Sessions
2003-06	Manuscript reviewer for: <i>Physical Geography</i> , <i>The Professional Geographer</i> , <i>Meteorology and Atmospheric Physics</i> , <i>International Journal of Climatology</i> , and <i>Journal of Climate</i> .
2005-06	Consultant for: Connors & Vilardo, LLP; Cushman & Wakefield
2006-07	Elementary school tours of NIU-NWS Weather Station; NIU "Weathercamp"

TRAVEL EXPERIENCES

Traveled to all conterminous 48 states, Canada, Mexico, and the Bahamas. Presented at conferences in Colorado, Florida, Georgia, Illinois, Iowa, Louisiana, Massachusetts, Mississippi, Missouri, Nebraska, Oklahoma, Pennsylvania, and Texas. Avid camper and storm chaser.