

Brian F. Jewett
Research Scientist
Department of Atmospheric Sciences
University of Illinois at Urbana-Champaign

Education

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|------------------------|----------------------|-------------|
| University of Oklahoma | Meteorology | B.S., 1981 |
| University of Oklahoma | Meteorology | M.S., 1986 |
| University of Illinois | Atmospheric Sciences | Ph.D., 1996 |

Research/Academic Experience

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| 2002-present | Graduate Faculty, U. Illinois |
| 2001-present | Research Scientist, U. Illinois |
| 1996-2000 | Post-Doctoral/Research Associate, U. Illinois |
| 1997 | Visiting Instructor, U. Illinois |
| 1988-1996 | Research Assistant, U. Illinois |
| 1986-1988 | Programmer / Meteorologist, NOAA Forecast Systems Laboratory, Boulder, CO |

Refereed Publications

- Benjamin, S. G., K. A. Brewster, R. Brümmer, B. F. Jewett, T. W. Schlatter, T. L. Smith, and P. A. Stamus, 1991: An isentropic three-hourly data assimilation system using ACARS aircraft observations. *Mon. Wea. Rev.*, **119**, 888-906.
- Davis, C., N. Atkins, D. Bartels, L. Bosart, M. Coniglio, G. Bryan, W. Cotton, D. Dowell, B. Jewett, and 15 co-authors, 2004: The Bow Echo and MCV Experiment: Observations and opportunities. *Bull. Amer. Meteor. Soc.*, **85**, 1075-1093.
- Estrem M., R. M. Rauber, K. R. Knupp, B. F. Jewett, J. T. Walters, and D. Phillips, 2007: Vertical motions in precipitation bands in three winter cyclones. *J. Appl. Meteor.*, in review.
- Grim, J. A., R. M. Rauber, M. K. Ramamurthy, B. F. Jewett and M. Han, 2007: High resolution observations of the trowal/warm frontal region of two continental winter cyclones. *Mon. Wea. Rev.*, in press.
- Han, M., R. M. Rauber, M. K. Ramamurthy, B. F. Jewett and J. A. Grim, 2007: Mesoscale dynamics of the trowal and warm frontal regions of two continental winter cyclones. *Mon. Wea. Rev.*, in press.
- Jewett, B. F., and R. B. Wilhelmson, 2006: The role of forcing in cell morphology and evolution within midlatitude squall lines. *Mon. Wea. Rev.*, **134**, 3714-3734.
- _____, M. K. Ramamurthy and R. M. Rauber, 2003: Origin, evolution and fine-scale structure of the St. Valentine's Day mesoscale gravity wave observed during STORM-FEST. Part III: Gravity wave genesis and the role of evaporation. *Mon. Wea. Rev.*, **181**, 617-633.
- Kristovich, D.A., and 21 co-authors, 2000: The Lake-Induced Convection Experiment and the Snowband Dynamics Project. *Bull. Amer. Meteor. Soc.*, **81**, 519-542.
- Lee, B. D., B. F. Jewett, and R. B. Wilhelmson, 2006: The 19 April 1996 Illinois tornado outbreak. Part I: Cell initiation, evolution and supercell isolation. *Wea. Forecasting*, **21**, 433-448.
- _____, _____, and _____, 2006: The 19 April 1996 Illinois tornado outbreak. Part II: Cell mergers and associated tornado incidence. *Wea. Forecasting*, **21**, 449-464.

- Lilly, D.K., and B. F. Jewett, 1990: Momentum and kinetic energy budgets of simulated supercell thunderstorms. *J. Atmos. Sci.*, **47**, 707-726.
- McFarquhar, G.M., M.S. Timlin, R.M. Rauber, B.F. Jewett, J.A. Grim, and D.P. Jorgensen, 2007: Vertical variability of cloud hydrometeors in the stratiform region of mesoscale convective systems and bow echoes. In review, *Mon. Wea. Rev.*
- Ralph, M. F., R.M. Rauber, B.F. Jewett, D.E. Kingsmill, P. Pisano, P. Pugner, R.M. Rasmussen, D.W. Reynolds, T.W. Schlatter, R.E. Stewart, J.S. Waldstricher, 2005: Improving short term (0-48 hour) cool season quantitative precipitation forecasting: recommendations from a USWRP workshop. *Bull. Amer. Meteor. Soc.*, **86**, 1619-1632.
- Ramamurthy, M.K., K.P. Bowman, B.F. Jewett, J.G. Kemp, and C. Kline, 1992 : A networked desktop synoptic laboratory. *Bull. Amer. Meteor. Soc.*, **73**, 944-950.
- Rauber, R. M., M. Yang, M.K. Ramamurthy, and B.F. Jewett, 2001: Origin, evolution and fine-scale structure of the St. Valentine's Day mesoscale gravity wave observed during STORM-FEST. Part I: Origin and maintenance. *Mon. Wea. Rev.*, **129**, 198-217.

Other Publications and Presentations – Lead author

- Jewett, B.F., R.B. Wilhelmson, J. Alameda, A. Rossi and S. Hampton, 2006: Computational science on the teragrid with LEAD. *NCSA Presentation, Supercomputing 2006*, Tampa (15 November)
- _____, R. Przybylinski, and R. B. Wilhelmson, 2006: Numerical simulation of the 24 April, 2002 merger between a left-moving storm and supercell. *23rd Conf. on Severe Local Storms*, Amer. Meteor. Soc., St. Louis (6-10 November 2006), P11.3.
- _____, and R. B. Wilhelmson, 2006: Numerical simulation of cell interaction. *Presentation, 23rd Conf. on Severe Local Storms*, Amer. Meteor. Soc., St. Louis (6-10 November 2006), P11.4.
- _____, R. Wilhelmson, J. Alameda, S. Hampton and A. Rossi, 2006: Applying portal technologies to ensemble modeling of convection. *Presentation, Interactive Information and Processing Systems*, Amer. Meteor. Soc., Atlanta, 5.4.
- _____, R. B. Wilhelmson, M. Gilmore, J. Alameda, S. Hampton, and A. Rossi, 2004: The WRF portal effort. *Joint WRF/MM5 User's Workshop*, NCAR/MMM, Boulder, 22-25 June 2004.
- _____, R. Wilhelmson, M.K. Ramamurthy, J. Alameda, S. Hampton, A.L. Rossi, and D. Tcheng, 2003: Applying portal technologies to ensemble modeling of convection on the grid. *Presentation, 19th Conf. on Interactive Information and Processing Systems for Meteorology, Oceanography, and Hydrology*, Amer. Meteor. Soc., Long Beach CA, P1.50.
- _____, R. M. Rauber, and G. M. McFarquhar, 2003: Large amplitude mesoscale gravity waves: New studies of their formation and evolution. *Preprints, Midwest Extreme and Hazardous Weather Regional Conference*, Amer. Meteor. Soc., Champaign.
- _____, R. B. Wilhelmson, and B. D. Lee, 2003: Cell initiation and morphology in the 1996 Illinois tornado outbreak. *Preprints, Midwest Extreme and Hazardous Weather Regional Conference*, Amer. Meteor. Soc., Champaign.
- _____, R. B. Wilhelmson and B. D. Lee, 2002: Numerical simulation of cell interaction. *Preprints, 21st Conf. on Severe Local Storms*, San Antonio, 316-319.
- _____, M.K. Ramamurthy, R.M. Rauber, J. Grim, L. Barker, and D. Smith, 2002 : Mesoscale ensemble prediction of winter precipitation in a severe winter storm. *19th Conf. On Weather Analysis and Forecasting*, Amer. Meteor. Soc., San Antonio, P1.9.

- _____, M.K. Ramamurthy, and H. Liu, 2001 : Ensemble methods applied to hurricane track forecasting. *14th Conf. On Numerical Weather Prediction*, Amer. Meteor. Soc., Ft. Lauderdale, P6.9.
- _____, M.K. Ramamurthy, and R.M. Rauber, 2001 : The role of evaporative processes in gravity wave genesis. *9th Conf. On Mesoscale Processes*, Amer. Meteor. Soc., Ft. Lauderdale, 13.6.
- _____, B. D. Lee and R. B. Wilhelmson, 2000: Initiation and evolution of severe convection in the 19 April 1996 Illinois tornado outbreak. *Preprints, 20th Conference on Severe Local Storms*, Amer. Meteor. Soc., Orlando.
- _____, M. K. Ramamurthy, and R. M. Rauber, 1999: Initiation and modeled evolution of a STORM-FEST gravity wave. *8th Conference on Mesoscale Processes*, Boulder, CO.
- _____, M. K. Ramamurthy and R. M. Rauber, 1998: Numerical study of the evolution of gravity waves during STORM-FEST. *16th Conf on Weather Analysis and Forecasting*, Phoenix, AZ, pp 458-459.
- _____, M. K. Ramamurthy, and R. M. Rauber, 1996: Numerical study of the genesis of a large amplitude gravity wave. *Proceedings of the 7th Conf. Mesoscale Processes*, Reading, England.

Other Publications

- King, M. C., R. M. Rauber, M. K. Ramamurthy and B. F. Jewett, 1999: Dynamics of a heavy snowband as derived by the ELDORA airborne radar system. *8th Conference on Mesoscale Processes*, Boulder, CO.
- Rauber, R. M., M. K. Ramamurthy, B. F. Jewett, and M. C. King, 1999: The Snowband Dynamics Project. *8th Conference on Mesoscale Processes*, Boulder, CO.
- Ramamurthy, M. K., R. M. Rauber, M. Yang and B. F. Jewett, 1999: A new genesis mechanism for large amplitude gravity waves. *8th Conference on Mesoscale Processes*, Boulder, CO.
- King, M. C., R. M. Rauber, M. K. Ramamurthy and B. F. Jewett, 1999: Kinematic structure of a heavy snowband determined from ELDORA data. *29th International Conference on Radar Meteorology*, Montreal, Canada.
- Rauber, R. M., M. K. Ramamurthy, M. Yang and B. F. Jewett, 1999: Radar and profiler evidence for a new genesis mechanism for large amplitude gravity waves. *29th International Conference on Radar Meteorology*, Montreal, Canada.
- Lee, B. D., B. F. Jewett and R. B. Wilhelmson, 2000: Supercell differentiation and organization for the 19 April 1996 Illinois tornado outbreak. *Preprints, 20th Conference on Severe Local Storms*, Orlando, Amer. Meteor. Soc.
- Rauber, R. M., M. K. Ramamurthy, B. F. Jewett and M. Han, 2001: Fine scale structure and dynamics of a heavy snowband. *Proc. 9th Conf. On Mesoscale Processes*, Amer. Met. Soc., Ft. Lauderdale, FL
- Ramamurthy, M. K., B. F. Jewett and H. Liu, 2002: Ensemble methods applied to hurricane track and intensity forecasting. *Preprints, 25th Conf. on Hurricanes and Tropical Meteorology*, San Diego, Amer. Meteor. Soc., 216-217.
- Ramamurthy, M., B. F. Jewett, B. Cui, and H. Liu, 2002: Mesoscale ensemble prediction of tropical and mid-latitude cyclones. *Preprints, 19th Conf. on Wea. Analysis and Forecasting*, San Antonio, Amer. Meteor. Soc., 316-319.
- Wilhelson, R., K. Droegemeier, S. Graves, M. Ramamurthy, D. Haidvogel, B. Jewett, J. Alameda, and D. Gannon, 2003: Modeling Environment for Atmospheric Discovery. *Preprints, 19th International Conference On Interactive Information Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology*, Long Beach, Amer. Meteor. Soc., P5.9.
- Han, M., M. K. Ramamurthy, R. M. Rauber, B. F. Jewett, and J. A. Grim, 2003: A numerical study of the frontal circulations and narrow banding structures associated with heavy snowbands in extratropical cyclones. *Preprints, Midwest Extreme and Hazardous Weather Regional Conference*, Champaign, Amer. Meteor. Soc. / extended abstract (PDF)
- Estrem, M. R., K. R. Knupp, R. M. Rauber, and B. F. Jewett, 2003: Application of MIPS to severe winter storms. *Preprints, Midwest Extreme and Hazardous Weather Regional Conference*, Champaign, Amer. Meteor. Soc. / extended abstract (PDF)

- Grim, J. A., R. M. Rauber, B. F. Jewett, and M. Han, 2003: Observations of the fine-scale structure and mechanisms of formation of banded precipitation within the northwest quadrant of two wintertime extratropical cyclones. Preprints, Midwest Extreme and Hazardous Weather Regional Conference, Champaign, Amer. Meteor. Soc.
- Han, M., M. K. Ramamurthy, R. M. Rauber, B. F. Jewett, and J. A. Grim, 2003: Modeling study of the frontal circulations associated with a heavy snowband in an extratropical cyclone. 10th Conference on Mesoscale Processes, American Meteorological Society, Portland, OR
- Grim J. A., M. Han, M. K. Ramamurthy, R. M. Rauber, B. F. Jewett, 2003: Comparative study of the mesoscale structure and dynamics of heavy snowbands in the trowal region of two extratropical cyclones. 10th Conference on Mesoscale Processes, American Meteorological Society, Portland, OR
- Davis, C. A., N. Atkins, G. Bryan, W. Cotton, D. Dowell, J. M. Fritsch, B. Jewett, R. Johns, D. Jorgensen, K. Knupp, W.-C. Lee, G. McFarquhar, R. Przybylinski, B. Rauber, B. Smull, J. Trapp, S. Trier, R. Wakimoto, M. Weisman, and C. Ziegler, 2003: Observations from the bow echo and MCV experiment (BAMEX). 31st International Conference on Radar Meteorology, Seattle, WA.
- Houston, A.L., G. S. Romine, L. M. Counce, M. S. Gilmore, B. F. Jewett, and R. B. Wilhelmson, 2004: Idealized simulations of the 20 April 2004 Utica, IL supercell. 22nd Conf. on Severe Local Storms, Amer. Meteor. Soc., Hyannis, P6.3.
- McFarquhar, G.M., M.S. Timlin, R. Rauber, and B.F. Jewett, 2004: Observations of vertical variability of cloud hydrometeors in stratiform regions behind bow echoes: Implications for downdraft formation. 14th International Conference on Clouds and Precipitation, July, Bologna, Italy, 592-595.
- Wilhelmson, R., J. Alameda, K. Droegemeier, M. Folk, R. Fowler, D. Gannon, S. Graves, D. Haidvogel, P. Husbands, C. L. Isbell, Jr., D. Weber, P. Woodward, B. W. York, S. Anderson, B. Jewett, C. Moore, D. Nolan, D. Porter, D. Semeraro, and S. Tanner, 2004: MEAD (A Modeling Environment for Atmospheric Discovery). Preprints, 20th Conf. on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology, Seattle, Amer. Meteor. Soc., 6.2.
- Kruk, M.C., R. Rauber, G.M. McFarquhar, B.F. Jewett, R. J. Trapp, and C.A. Davis,, 2005: Bow Echoes During BAMEX: Assessing Transitions in Surface Wind Damage. BAMEX Working Group Meeting, Fairview Heights, IL.
- Smith, A., R. Rauber, G.M. McFarquhar, B.F. Jewett, M. Timlin and J. Grim, 2005: Microphysical Profiles in the Context of Evolving Trailing Stratiform Regions of BAMEX MCSs. BAMEX Working Group Meeting, Fairview Heights, IL.
- McFarquhar, G.M., M. Timlin, R. Rauber, B. Jewett, J. Grim, A. Smith and D. Jorgensen, 2005: An Update on Analysis of Spiral Microphysical Data Collected during BAMEX. BAMEX Working Group Meeting, Fairview Heights, IL.
- McFarquhar, G.M., M.S. Timlin, R. Rauber, and B.F. Jewett, 2004: Observations of vertical variability of cloud hydrometeors in stratiform regions behind bow echoes: Implications for downdraft formation. 14th International Conference on Clouds and Precipitation, July, Bologna, Italy, 592-595.
- McFarquhar, G.M., R. Rauber, B. Jewett, and D.P. Jorgensen, 2003: Observations of the vertical variability of cloud hydrometeors in stratiform regions during BAMEX. 31st International Conference on Radar Meteorology, American Meteorological Society, Invited poster, August, Seattle, WA.
- Smith, A. M., R. M. Rauber, G. M. McFarquhar, B. F. Jewett, M. S. Timlin and J. A. Grim, 2005: Microphysical structure of the trailing stratiform region of BAMEX mesoscale convective systems. 32nd AMS conf. Radar Meteorology, Albuquerque, NM.
- Smith, A. M., R. M. Rauber, G. M. McFarquhar, B. F. Jewett, M. S. Timlin and J. A. Grim, 2005: Explaining the variability of cloud microphysics in stratiform regions of BAMEX MCSs using high-resolution radar observations. 11th Conf. on Mesoscale Processes, Amer. Meteor. Soc., Albuquerque, NM., JP5J.4.
- Guarente, B. A., B. F. Jewett, R. M. Rauber, and G. M. McFarquhar, 2005: WRF Simulations of a Severe Squall Line: Comparisons against High Resolution BAMEX Observations. 11th AMS conf Mesoscale Processes, Albuquerque, NM.
- Grim, J. A., R. M. Rauber, G. M. McFarquhar, D.P. Jorgensen, M. S. Timlin, B. F. Jewett, and A. M. Smith, 2005: Quad-Doppler and Microphysical Observations of the BAMEX 29 June 2003 MCS. 32nd AMS conf. Radar Meteorology, Albuquerque, NM.
- Estrem M., R. M. Rauber, K. R. Knupp, B. F. Jewett, J. T. Walters, and D. Phillips 2005: Vertical motions in precipitation bands in three winter cyclones. 32nd AMS conf. Radar Meteorology, Albuquerque, NM.
- Kruk, M.C., R. M. Rauber, G. M. McFarquhar, B. F. Jewett, and R. J. Trapp. 2005: Bow echoes during BAMEX: assessing transitions in surface wind damage using WSR-88D data. 32nd AMS conf. Radar Meteorology, Albuquerque, NM.

- Grim, J.A., G. M. McFarquhar, R. M. Rauber, D. P. Jorgensen, M. S. Timlin, A. M. Smith, and B. F. Jewett, 2005: Microphysical and quad-Doppler observations of the BAMEX 29 June 2003 MCS. 12th Conf. on Cloud Physics, Amer. Meteor. Soc., Madison, P2.3.
- Smith, A.M., R. Rauber, G. McFarquhar, B. F. Jewett, M. S. Timlin, and J. A. Grim, 2006: Variations in the microphysical structure of stratiform regions of BAMEX MCSs from optical array probe measurements and high-resolution radar observations. 12th Conf. on Cloud Physics, Amer. Meteor. Soc., Madison, 7.1.
- McFarquhar, G., M. S. Timlin, R. M. Rauber, B. F. Jewett, J. Grim, and D. P. Jorgensen, 2006: Vertical Profiles of Ice Cloud Microphysical Properties Observed behind Convective Lines during the Bow Echo and Mesoscale Convective Vortices Experiment (BAMEX). 12th Conf. on Cloud Physics, Amer. Meteor. Soc., Madison, P2.2.
- Guarente, B.A., B. F. Jewett, G. M. McFarquhar, and R. M. Rauber, 2006: WRF Simulations of a Severe Squall Line: Comparison Against High-resolution Microphysical, Thermodynamic and Kinematic Measurements from BAMEX. 12th Conf. on Cloud Physics, Amer. Meteor. Soc., Madison, P2.1.
- Alameda, J., S. Hampton, B. F. Jewett, A. Rossi, and R. B. Wilhelmson, 2006: Ensemble Broker Service Oriented Architecture for LEAD. 22nd International Conference on Interactive Information Processing Systems for Meteorology, Oceanography, and Hydrology, Amer. Meteor. Soc., Atlanta, 10.9.

Recognition

- Recipient of College of Liberal Arts and Sciences' LAS Staff Award (Feb. 22, 2007)

Outreach

- Was interviewed/featured for a Champaign-Urbana News-Gazette story on the tenth anniversary of the 1996 IL tornado outbreak (April 2006);
- Presented a talk on tornadoes to a local forum hosted by the UIUC student chapter of the League of Women Voters entitled "If the Worst Happens" (April 2006);
- Currently producing video of local forum "If the Worst Happens" for use by community and UIUC student chapter of the League of Women Voters;
- Gave permission for use of supercell animation to Kristy Alexander, for the Columbia Memorial Space Science Learning Center in Downey, CA (Dec. 2005);
- Produced tornado video segment for annual tornado show by Edward Kieser of WILL-AM/TV (March 2006 and spring 2005);
- Mailed conference preprint and radar images for 4/1996 tornado outbreak in response to request from public (March 2006);
- Gave several talks on severe weather at Prairie Elementary School (Urbana, IL);
- Gave talk on "Understanding Midwest Winter Weather" at Parkland College (Fall 2001).

Teaching

- ATMS 502 – Numerical Fluid Dynamics
(Fall 2005, 10 students; and Fall 2006, 15 students from nine departments)
- ATMS 120 – Severe and Hazardous Weather
(Fall 2004, Spring 2005, and Spring 2006 – latter: 150 students)

Research

- Carrying out a computer modeling study of the role of microphysical cooling processes (melting, evaporation, and sublimation) on the development of squall lines and bow echoes (as part of BAMEX – Bow Echoes and Mesoscale Convective Vortex Experiment – project; currently co-PI on NSF grant for this work; was co-PI on earlier NSF winter storms grant);
- Investigating role of thunderstorm cell-cell interaction on storm severity, longevity, and structure, with two poster presentations at Severe Local Storms conference in November;
- Have written computer proposals to MRAC (Medium Resource Allocations Committee – oversees national NSF-supported Teragrid computer resources) (two awarded);
- While at UIUC, Dr. Jewett has participated in four observational field experiments: STORMFEST (1992, Kansas), VORTEX (1994, Oklahoma), Lake-ICE/SNOWBAND (1997-8, Michigan) and BAMEX (2003, St. Louis). While at BAMEX, he flew on the NOAA P-3 aircraft and also served as science director, coordinating aircraft operations;
- Served on the AMS (American Meteorological Society) Severe Local Storms Scientific and Technological Activities Committee (STAC).

Research Grants and Contracts

Title: Bow echoes and mesoscale gravity waves: The role of microphysical processes.

Sponsor: NSF – Division of Atmospheric Sciences

Period: July 2004 – June 2008

Amount: \$735,962

Capacity: Co-Principal Investigator

Title: Continuing studies of mesoscale gravity waves and precipitation bands

Sponsor: NSF – Division of Atmospheric Sciences

Period: February 2001 – August, 2004

Amount: \$548,202

Capacity: Co-Principal Investigator

Service

- Serving/was on PhD committees of Henian Zhang, Joseph Grim, and Bo Cui
- Helping supervise students Bryan Guarante (with R. Rauber, G. McFarquhar) and Eric Schneider (with G. McFarquhar and M. Gilmore);
- Provided research assistance to students Mei Han, Marcia Estrem, Adam Houston, Heng Liu;
- Provided research assistance and secured UIUC research board funding for student Bo Cui to complete her PhD work at Illinois after her professor left the University;
- Reviewed proposals for National Science Foundation, and articles for American Meteorological Society;

- Prepared a short DVD presentation and handout for the Atmospheric Sciences Department at the Science Olympiad (Univ. Illinois, May 2005);
- Contributed to the UIUC WW2010 educational web site (ww2010.atmos.uiuc.edu) and imagery to the Severe and Hazardous Weather textbook and web page;
- Led continued development of UIUC real-time forecasting system (rt.atmos.uiuc.edu), including addition of severe weather products after requests from Lincoln, IL National Weather Service office;
- Provided forecast support for *Proteus* research aircraft test flights and transit to/from Darwin, Australia for field program (project attended by Prof. Greg McFarquhar);
- Carried out daily WRF computer model forecasts (rt.atmos.uiuc.edu/namma) in support of the NAMMA (NASA African Monsoon Multidisciplinary Analyses, namma.nsstc.nasa.gov) field program (summer, 2006), which investigated tropical waves off Africa which can lead to hurricanes (project attended by Ph.D student Henian Zhang);
- Participating as applications scientist in the LEAD (Linked Environments for Atmospheric Discovery) program, with close collaboration with Jay Alameda and A. Rossi at NCSA.

Memberships

American Meteorological Society (AMS) and American Geophysical Union.

Collaborators and Co-Authors

Dr. Jewett's project collaborators and co-authors include:

- University of Illinois - Atmospheric Sciences: G. McFarquhar and R. Rauber
- University of Illinois - NCSA: R. Wilhelmson, J. Alameda, A. Rossi, and D. Semararo
- University of Oklahoma: D. Weber and K. Droegemeier (*LEAD program*)
- University of Alabama – Huntsville: R. Ramachandran (*data mining; LEAD program*)
- Indiana University: R. Heiland (*data visualization*)
- WindLogics, Inc.: B. Lee (*severe storms*)
- NCAR: M. Ramamurthy (*LEAD program*)
- National Weather Service: R. Pryzbylinski (St. Louis) (*severe storms*)

Advisors: Dr. Jewett's Ph.D advisor was R. Wilhelmson, and M.S. advisor was D. K. Lilly.