

## CURRICULUM VITA

### HENRY E. FUELBERG

(February 2016)

Office:

David W. Stuart Professor of Meteorology  
Department of Earth, Ocean &  
Atmospheric Science  
Florida State University  
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Citizenship: United States

Clearance: Secret

Education:

B.S. 1970	Texas A&M University	Meteorology
M.S. 1971	Texas A&M University	Meteorology
Ph.D.1976	Texas A&M University	Meteorology

Experience:

Fall 2013	Co-Mission Meteorologist for NASA's SEAC <sup>4</sup> RS airborne project
Summers	2009, 10, 11, 12, 13, 16. Guest Lecturer for NASA's Student Airborne Research Program, NASA Dryden Research Center, CA
Spring & Summer 2008	Mission Meteorologist for NASA's Arctic Research on the Composition of the Troposphere from Aircraft and Satellites (ARCTAS)
Spring 2006	Mission Meteorologist for NASA's Intercontinental Chemical Transport Experiment—North America (INTEX-B)
Fall 2005-Pres	David W. Stuart Professor of Meteorology, Florida State University
Summer 2004	Mission Meteorologist for NASA's Intercontinental Chemical Transport Experiment—North America (INTEX-A)
Spring 2001	Mission Meteorologist for NASA's Transport and Chemical Evolution over the Pacific (TRACE-P) Experiment, DC-8 Component
Spring 1999	Mission Meteorologist for NASA's Pacific Exploratory Mission--Tropics B (PEM-T B) Experiment over the South Pacific Basin, DC-8 component
Fall 1997	Mission Meteorologist for NASA's Subsonic Assessment (SASS) Ozone and NO <sub>x</sub> Experiment (SONEX) in the North Atlantic Flight Corridor
Fall 1996	Mission Meteorologist for NASA's Pacific Exploratory Mission--Tropics A (PEM-T A) Experiment over the South Pacific Basin, DC-8 component
Spring 1996	Co-Lead Instructor for the UCAR/COMET Mesoscale Analysis and Prediction (COMAP) Course, Boulder, CO

1995-Pres	Fellow, Cooperative Institute for Tropical Meteorology, Florida State University
1994-2005	Professor of Meteorology, Florida State University
Fall 1992	Mission Meteorologist for NASA's TRansport and Atmospheric Chemistry near the Equator--Atlantic (TRACE-A) Experiment in Brazil, southern Africa, and Ascension Island
Sum. 1986	Field participant in the Satellite Precipitation And Cloud Experiment (SPACE) at NASA/Marshall Space Center, AL
1985-1994	Associate Professor of Meteorology, Florida State University
Fall 1983	Sabbatical leave at Atmospheric Sciences Division, NASA/Marshall Space Flight Center, AL
1980-1985	Associate Professor of Meteorology, Saint Louis University
1977-1980	Assistant Professor of Meteorology, Saint Louis University
1977	Research Associate, Center for Applied Geosciences, Texas A&M University
1973-1976	Teaching Assistant and Research Assistant, Department of Meteorology, Texas A&M University
1972-1973	Instructor of Meteorology, Texas A&M University, (Summers Only)
1970-1973	NDEA Fellow, Texas A&M University

Administrative and Service Activities:

Curriculum Committee, College of Arts and Sciences, SLU	1979-1981
Department Chairman Selection Committee, SLU	1980
Computer Advisory Committee, SLU	1977-1981
Undergraduate and Graduate Advisor, SLU	1977-1985
Dean's Committee on Academic Advising, SLU	1981
Science Day Steering Committee, SLU	1981
Founder of <u>Meteoro News</u> , SLU (Alumni Newspaper)	1980
AMS Committee on Meteorological Education in Universities	1981-1983
Program Committee, 1985 Severe Local Storms Conference	1985
Departmental Computer Advisory Committee, FSU	1985-1989
Program Chairman, 1988 Severe Local Storms Conference	1986-1988
Science Fair Judge, Tallahassee Regional Fair	Various
AMS Committee on Severe Local Storms	1987-1990
Honors and Scholars Day Participant, FSU	1987,1989,1993
Undergraduate and Graduate Advisor, FSU	1986-
Departmental Capital Committee, FSU	1987-1994
Chairman, Synoptic Option Committee, FSU	1987-2003
Panel Member for Shuttle Flight Rules, NASA/Johnson Space Center	1987
Director of Undergraduate Meteorology Program, FSU	1989-1995
Met. Undergraduate Program Committee, FSU	1989-2001
Departmental Administrative Committee, FSU	1990-1995
Pathfinder GOES Science Working Group	1991-1993
Mission Meteorologist and Science Team Member, TRansport and Atmospheric Chemistry near the Equator--Atlantic (TRACE-A) Experiment	1991-1995
Mission Meteorologist and Science Team Member, Pacific	

Exploratory Mission--Tropics A (PEM-T A) Exp.	1995-1999
Graduate Program Committee, FSU Meteorology	1996-2003
Graduate Admissions Committee, FSU Meteorology	1996-2003
Mission Meteorologist and Science Team Member, Subsonic Assessment (SASS) Ozone and NO <sub>x</sub> Experiment (SONEX)	1997-1999
Mission Meteorologist and Science Team Member, Pacific Exploratory Mission--Tropics B (PEM-T B) Exp.	1998-2001
AMS Committee on Severe Local Storms	1998-2000
Chairman, AMS Committee on Severe Local Storms	1999-2000
Meteorology Executive Committee, FSU	1998-2010
Departmental Computer Committee	1999
Program Committee, AMS 20 <sup>th</sup> Conf. Severe Local Storms	1999-2000
Mission Meteorologist and Science Team Member, Transport And Chemical Evolution over the Pacific (TRACE-P) Experiment	2000-2003
Director of the Graduate Meteorology Program	2001-2003
Associate Chairman of Meteorology	Fall 2001
Mission Meteorologist and Science Team Member, Intercontinental Chemical Transport Experiment North America (INTEX-NA)	2004-2006
O'Brien Award Selection Committee	2004, 2012
Graduate Program Curriculum Committee	2004-2005
Seminar Committee	2004-2005
Departmental Tenure and Promotion Committee	1998-
Mission Meteorologist and Science Team Member, Intercontinental Chemical Transport Experiment North America (INTEX-B)	2005-2007
Physics Dept. Building Committee—Outside Member	2006-2008
Meteorology Chairman Search Committee	2006-2007
Meteorology Space & Facilities Committee	2006-2009
Meteorology Undergraduate Program Committee	2006-2010
Program Committee for AMS 4 <sup>th</sup> Conf. on Meteor. Applications of Lightning Data	2008
Co-Convenor for session on “Multi-sensor Precipitation Estimation” at the 2008 AGU Spring Meeting	2008
Science Area Committee on Promotion and Tenure	2008
Faculty Advisor—FSU Chapter of Campus Crusade For Christ	2008-
National Academy of Sciences Panel on the Significance of International Transport of Air Pollutants (ITAP)	2008-2009
Review Panel for NWS Meteorological Development Lab	2010-2011
Co-Mission Meteorologist and Science Team Member, NASA SEAC <sup>4</sup> RS Airborne Experiment	2012-2015
Editorial Advisory Board of <i>Atmospheric Environment</i>	2013-
Search Committee--FSU Coastal & Marine Initiative	2014-2015
Associate Editor <i>Weather and Forecasting</i>	2015-
Search Committee for Chairman of EOAS Department Executive Committee, Dept. of EOAS	2015-2016
Search Committee for Meteorology Faculty Position	2015-2016

Awards:

Sigma Xi	1988
Outstanding Undergraduate Advisor Award (Both Arts and Sciences and University Wide)	1990
Teaching Incentive Plan (TIP) Award	1994
NASA Group Achievement Award for SONEX	1998
NASA Group Achievement Award for INTEX-A	2005
David W. Stuart Professorship	2005
University Undergraduate Teaching Award	2007
NASA Group Achievement Award for INTEX-A	2007
University Award for Outstanding Undergraduate Advising	2008
University Award for Outstanding Graduate Mentoring	2008
ASCE/EWRI Committee Excellence Award for "Radar-Derived Rainfall Task Committee"	2009
NASA Group Achievement Award for ARCTAS	2009
NASA Group Achievement Award for GRIP	2011
Teaching Excellence Award of the American Meteorological Society	2011
NASA Group Achievement Award for SEAC4RS	2014
University Graduate Teaching Award	2015
Elected a Fellow of the American Meteorological Society	2016

Professional Societies:

American Meteorological Society  
 American Geophysical Union  
 American Guild of Organists  
 National Weather Association

Research Projects:

"Numerically Modeling Extreme Rainfall Events Near Kennedy Space Center, FL: The Effects of Climate Change". H.E. Fuelberg (PI) for 4% annually, January 2016-December 2016, Amount = \$52,882.

"A Probabilistic TC Genesis Forecast Tool Utilizing an Ensemble of Global Models", NOAA Joint Hurricane Testbed, R.E. Hart (PI), Fuelberg (Co-PI) for 8% time annually, September 2013-August 2015, Amount = \$197,792.

"Improved Forecasting of Extreme Rainfall Events Associated with Tropical Cyclones", NOAA-CSTAR, Fuelberg (PI) for 8% time annually, R.E. Hart (Co-PI), September 2013-August 2016, Amount = \$299,305.

"Impacts of Asian Summer Monsoon Convection on the Chemical Composition of the Upper Troposphere and Lower Stratosphere ", NASA Earth Science Fellowship for Nicholas Heath, NASA, Fuelberg (PI) for 0% time, August 2013-July 2016, Amount = \$90,000.

"Florida Space Grant Fellowship Program", Graduate student support for Brannon Seay, Florida Space Grant Foundation, Fuelberg (PI) for 0% time, September 2012-August 2013, Amount =

\$12,000.per year.

“Diagnostic Studies and Numerical Simulations of Chemical Transport to the Upper Tropospheric/Lower Stratosphere in the South Asian Monsoon during SEAC<sup>4</sup>RS”, Fuelberg (PI) for 20% time, L. Pfister (Co-I), NASA, January 2012-December 2015, Amount = \$404,972.

“Data Assimilation of Lightning in WRF 4-D VAR Using Observation Operators”, NOAA, Fuelberg (PI), I.M. Navon (Co-PI), June 2010 – May 2014, \$475,925.

"A Comprehensive Investigation of Upward Lightning Flash Structure at Kennedy Space Center" NASA-KSC, Graduate student support for Ari Preston, Fuelberg (PI) for 0% time, November 2012 - October 2016, Amount = \$118,844.

“Understanding the Significance of Fluctuations in the Arctic Oscillation Index“ The Citadel Corp., Graduate Student Support for Travis Visco, Fuelberg (PI) for 0% time, December 2011-August 2012, Amount = \$9,000.

“Meteorological Modeling and Tracer Capabilities Studies”, U.S. Air Force, Fuelberg (PI) for 10% time, November 2011-November 2013, Amount = \$123,175.

“Determining the Abilities of Operational Numerical Models to Forecast Tropical Cyclogenesis“, UCAR/COMET, Fuelberg for 0% time, Support for Ph.D. candidate Daniel Halperin, October 2011-September 2012, Amount = \$11,880

“Determining the Characteristics of Anvil Lightning for Use in the Lightning Launch Control Criteria at Kennedy Space Center”, U.S. Air Force, Fuelberg (PI) for 5% time, August 2010- July 2011, Amount = \$52,965.

“Investigating the Use of Polarimetric Radar Data as Forecast Guidance for Lightning Cessation at Kennedy Space Center”, U.S. Air Force, Fuelberg (PI) for 5% time, August 2010-July 2012, Amount=\$104,633

“Sensitivity Studies on Atmospheric Transport—the WRF Numerical Model and FLEXPART Transport Model”, U.S. Air Force, Fuelberg (PI) for 10% time, November 2009-October 2011, Amount = \$115,675.

“Breaking the Barrier of Short Term Hurricane Intensity Forecasting by Integrating Remotely Sensed and Reconnaissance Datasets to Predict Core Evolution”, NASA Grant NNX09AC43G, R. Hart (PI) H. Fuelberg (Co-PI) for 10% time, December 2008-November 2013, Amount = \$599,400.

“Research on Arctic Transport Using a Synthesis of Satellite Data, In Situ Data, and Numerical Models”, NASA, Fuelberg (PI) for 20% time, January 2008-December 2012, Amount = \$490,619.

“Improved Climatologies and Forecasting of Hurricane Landfall and Hurricane-Produced Tornado Risk to Florida”, Florida Catastrophic Storm Risk Management Center, R. Hart (PI), H. Fuelberg (Co-PI), February 2010-February 2011, Amount = \$54,512.

“Improved Analysis and Understanding of the Meteorology Underlying the Various Components of the Hurricane Risk Problem”, Florida Catastrophic Storm Risk Management Center, R. Hart (PI), H. Fuelberg (Co-PI), P. Reasor (Co-PI), December 2008-November 2009, Amount = \$149,274.

“Optimizing the Use of Lightning Data in Severe Storm Warning Assessment”, Fuelberg (PI) for 0% time (Graduate Student Support only), NOAA/NESDIS, July 2008 – October 2010, Amount = \$65,000.

“Fellowship for Ms. Holly Anderson”, Fuelberg (PI) for 0% time, Florida Space Grant Consortium, September 2008-August 2009, Amount = \$12,000.

“Use of NEXRAD Data to Develop Climatologically Homogenous Rainfall Areas for the South Florida Water Management District”, Fuelberg (PI) for 0% time (Graduate student support only), South Florida Water Management and U.S. Geological Survey, March 2008-September 2008, Amount = \$22,000.

“Sensitivity Studies on Atmospheric Transport—the WRF Numerical Model and FLEXPART Transport Model”, U.S. Air Force, Fuelberg (PI) for 10% time, August 2007-September 2009, Amount = \$105,000.

“Development and Evaluation of Mesoscale Lightning Threat Guidance for Operational Use at NWS Forecast Offices”, UCAR/COMET, Fuelberg (PI) for 10% time, August 2007-July 2009, Amount = \$77,498

“A Comparison of FSU/NWS and One Rain Precipitation Data and Their Insertion into the WAM Hydrologic Model—Phase II”, Fuelberg (PI) for 0% time (Graduate student support only), South Florida Water Management and U.S. Geological Survey, March 2007-February 2008, Amount = \$20,000.

“Determining Surface Winds from Doppler Radar Data during Hurricanes Affecting the FPL Service Area”, Florida Power & Light Corp, Fuelberg (PI) for 15% time, Robert Hart (CoPI), January 2007-April 2008, \$83,468.

“Analysis of Data from INTEX-A and B in Support of Aura and Aqua Validation”, NASA, Fuelberg (PI) for 20% time, January 2006 – December 2008, 3 year amount = \$ 283,809.

“Hydrologic Modeling Using WAM and NEXRAD Precipitation Data”, Fuelberg (PI) for 15% time, Florida Department of Environmental Protection, Fuelberg (PI) at 15% time, November 2006-October 2007, Amount = \$ 47,443.

“A Comparison of FSU/NWS and One Rain Precipitation Data and Their Insertion into the WAM Hydrologic Model—Phase I”, Fuelberg (PI) for 0% time (Graduate student support only), South Florida Water Management and U.S. Geological Survey, March 2006-February 2007, Amount = \$20,000.

“Quantifying and Forecasting Positive Lightning Flashes in FP&L Service Area”, Florida Power & Light Corp., Fuelberg (PI) for 15% time, June 2006 – May 2007, Amount = \$44,000.

“Statistical Forecasting of Lightning Cessation at the Kennedy Space Center”, NASA Kennedy Space Center, Fuelberg (PI) for 20% time, June 2006-August 2007, Amount = \$59,471.

“Statistical Tools for Forecasting Warm Season Afternoon and Early Evening Lightning in the FP&L Service Area (Phase IV)”, Florida Power & Light Corp., Fuelberg (PI) for 15% time, June 2005 – May 2007, Amount = \$55,000.

“Hydrologic Modeling Using WAM and High Resolution NEXRAD Precipitation Data”, Florida Department of Environmental Protection, Fuelberg (PI) at 15% time, January 2006-December 2006, Amount = \$ 58,577.

“Adding Two Additional Years to the High Resolution Historical Precipitation Database for Florida”, Florida Department of Environmental Protection, Fuelberg (PI) at 15% time, October 2004-September 2005, Amount = \$ 51,220.

“Meteorological Support for NASA’s TCP INTEX-A Mission”. NASA, Fuelberg (PI) for 5% time, April 2004-March 2005, Amount = \$57,183.

“Statistical Tools for Forecasting Warm Season Afternoon and Early Evening Lightning in the FP&L Service Area (Phase III)”, Florida Power & Light Corp., Fuelberg (PI) for 15% time, June 2004 – May 2005, Amount = \$75,000.

“Diagnostic and Numerical Studies of Atmospheric Transport Related to Tropospheric Chemistry and Global Scale Modeling and Analysis”. NASA, Fuelberg (PI) for 20% time, January 2004-December 2007, Total amount = \$288,596.

“Improvements in the Operational Forecasting of Precipitation and Hydrology at Three Scales: NCEP HPC, Country Warning Area, and the Local Basin Scale”, NOAA CSTAR program, Ahlquist (PI) Fuelberg for 15% time and Cooper (Co-PIs), October 2003 – September 2006, Total amount = \$371,291.

“Analysis of 3, 6, 12, and 24 Hour Precipitation Frequencies Over the Southern United States”, UCAR/COMET, Fuelberg (PI) for 0% time, January - December 2004, Amount = \$7,172.

“Utilizing FDOT Meteorological Data to Investigate Microwave Transmissions and to Provide Travel Weather Information to Florida Citizens—Phase II”, Florida Dept. of Transportation, Fuelberg for 15% time, Foo, Kwan, Elsner, and Fuelberg (CoPIs), February 2003 – February 2004, Total Amount = \$126,090.

“Preparing a Statistical Tool for Forecasting Warm Season Afternoon and Early Evening Lightning in Miami-Dade and Broward Counties”, Florida Power & Light Corp., Fuelberg (PI) for 15% time, June 2003-May 2004, Amount = \$61,000.

“Understanding Spatial and Temporal Lightning Distributions in the FP&L Service Area”, Florida Power & Light Corp., Fuelberg (PI) for 15% time, October 2002 – September 2003, Amount = \$29,995.

“Developing a High Resolution Historical Database for Florida”, Florida Dept. of Environmental Protection, Fuelberg (PI) for 15% time, November 2002 – May 2004, Amount = \$71,590.

“Preparation of a High Resolution Historical Precipitation Data Base for a Portion of Florida”, Florida Dept. of Environmental Protection, Fuelberg (PI) for 15% time, April 2001 – March 2002, Total Amount = \$51,688.

“Determining Precipitation Frequencies over the Southern United States”, UCAR-COMET, Fuelberg for 0% time, November 2001-October 2003, Total Amount=\$7,302.

“Utilizing FDOT Meteorological Data to Investigate Microwave Transmissions and to Provide Travel Weather Information to Florida Citizens—Phase I”, Florida Dept. of Transportation, Fuelberg for 15% time, Foo, Kwan, Elsner, and Fuelberg (CoPIs), November 2001 – October 2002, Total Amount = \$124,386.

“Numerical simulations and diagnostic studies relating meteorology to atmospheric chemistry during TRACE-P”, NASA Langley Research Center, Fuelberg (PI) for 20% time, September 2000-August 2003, Total amount = \$281,700.

“Joint research between Florida State University and National Weather Service—Tallahassee”, UCAR-COMET, Fuelberg (PI) for 15% annual time, Ruscher, Watson, and Duval (CoPIs), June 2000-May 2003, Total amount = \$118,235.

“Radar-derived precipitation climatologies for north Florida”, Florida Dept. of Environmental Protection, Fuelberg (PI) for 15% time, July-December 2000, Total amount = \$18,543.

“Numerical simulations and diagnostic studies of meteorological conditions during PEM-Tropics B”, NASA Langley Research Center, Fuelberg (PI) for 20% time, August 1998-July 2001, Total amount = \$162,635.

“Numerical simulations and diagnostic studies of atmospheric transport during SONEX”, NASA Ames Research Center, Fuelberg (PI), January 1997-December 1999, Fuelberg for 20% annual time, Total amount = \$184,934.

“Joint research between Florida State University and National Weather Service--Tallahassee”, UCAR-COMET, Fuelberg (PI) for 15% annual time, Ruscher, Watson, and Duval (CoPIs), January 1997-May 2000, Total amount = \$99,611.

“High resolution numerical simulations and diagnostic studies of atmospheric transport during PEM-Tropics”, NASA Langley Research Center, Krishnamurti and Fuelberg (CoPIs), November 1995-February 1999, Fuelberg for 20% time, Total amount = \$484,520.

“A study of atmospheric flow patterns during GTE field projects”, NASA Langley Research Center, January 1996-October 1998, Fuelberg (PI) for 5% annual time, Total amount = \$59,662.

“Cooperative research between Florida State University and the Air Weather Service to improve forecasts at Cape Canaveral, Florida”, UCAR/COMET, January 1996-December 1999, Fuelberg (PI) for 15% annual time, Total amount = \$96,164.

"The evaluation and use of GOES I-M water vapor products for hydrologic process studies", NASA/Marshall Space Flight Center, Fuelberg (PI), June 1992 - June 1997, Fuelberg (PI) for 20% annual time, Total amount = \$205,309.

"High resolution numerical simulations and diagnostic studies of atmospheric transport during TRACE-A" NASA/Langley Research Center, Krishnamurti and Fuelberg (CoPIs), February 1992 - March 1997, Fuelberg for 20% time, Fuelberg's share = \$254,947.

"An evaluation of several techniques for computing precipitable water from GOES data" NASA/Marshall Space Flight Center, Fuelberg (PI) for 0% time, January - December 1993, \$14,241.

"Joint Research Between Florida State University and National Weather Service--Tallahassee", UCAR - COMET program, Fuelberg (CoPI) for 15% annual time, Ruscher, Duval and Korotky (CoPIs), January 1994 - December 1996, Three year total \$58,578.

"A New Scientific Cooperative Program: FSU Meteorology and NWS - Tallahassee", UCAR - COMET program, Fuelberg (CoPI) for 15% annual time, Ruscher and Duval (CoPIs), May 1991 - December 1993, Three year total = \$49,717.



"Monitoring aspects of water vapor structure and transport which influence climate variability using the new capabilities of the GOES-I" (NASA Global Change Fellowship for Richard Knabb). August 1993 - July 1996, \$22,000 per year for three years.

"The influence of mesoscale processes on short-term forecasting at the Kennedy Space Center" (Graduate Student Researchers Program for Michael Nichols), NASA/Kennedy Space Center, August 1992 - July 1995, \$22,000 per year for three years.

"Using satellite data to better forecast minimum temperatures in the Tallahassee area", Undergraduate Space Research Participation for Roy Deal III, Florida Space Grant Consortium, May 1993 - April 1994, \$2,500.

"Simulation and diagnostic study of water vapor imagery associated with the initiation of convection", (Graduate Student Researchers Program for Bradley Muller), NASA Grant NGT-50524, August 1989-January 1994, Fuelberg (PI) at 0% annual time, Total = \$73,000.

"The application of VAS satellite imagery to thunderstorm forecasting at Cape Canaveral", NASA Grant NAG10-0047, August 1988-April 1993, (Kennedy Space Center), Fuelberg (PI) for 15% annual time, Total = \$169,980.

"Initial research for TRACE-A", NASA/Langley Research Center, Fuelberg and Krishnamurti (CoPIs) for 0% time each, August 1991 - February 1992, \$9,961.

"An evaluation of satellite - derived humidity and its relationship to convective development", NASA Grant NAG8-653, December 1987-December 1992, Fuelberg (PI) for 20% annual time, Total = \$352,852.

"Graduate student researchers program" (for Anthony Guillory), NASA Grant NGT-70095. August 1988-July 1992, Fuelberg (PI) at 0% annual time, Total = \$57,500.

"Participation in NASA's SPACE Field Experiment", NASA subcontracted through Universities Space Research Association, March 1986 - September 1986, Fuelberg (PI) for 5 summer weeks, Total = \$9,035.

"Support Services for NASA's SPACE Field Experiment", NASA subcontracted through Universities Space Research Association, June 1986 - December 1986, Fuelberg (PI) for 5 summer weeks, Total = \$9,147.

"Analysis and Use of VAS Satellite Data", NASA Grant NAG8-033, Aug. 1985 - Aug. 1988, Fuelberg (PI) at 25% annual time, Total = \$155,796.

"Statistical Analysis and Use of VAS Radiance Data", NASA Contract NAS8-35330, Sept. 1983-Aug. 1985, Fuelberg (PI) at 30% annual time, Total = \$104,400.

"Contributions of Divergent and Non-divergent Winds to the Kinetic Energy Balance of Severe Storm Environments", NSF Grant ATM 82-00456, Sept. 1982-Aug. 1985, Fuelberg (PI) at 30% annual time, Total = \$86,400.

"Kinetic Energy Budgets in Areas of Intense Convection", NASA Contract NAS8-33370, April 1979-Dec. 1983, Fuelberg (PI) at 30% annual time, Total = \$182,000.

"Atmospheric Structure During Periods of Intense Convective Storms", NASA Grant NGT 26-006-800, June 1982-May 1985, Graduate Student Researcher's Program for Paul Meyer, Fuelberg (PI) at 0% annual time, Total = \$40,475.

"Study of Local Storm Convection", NASA Contract NAS8-32838, April 1978-March 1979, Fuelberg (PI) at 25% annual time, Total = \$19,997.

"Processing Rawinsonde Data from the AVE-SESAME Experiments", NASA subcontracted through Texas A&M Research Foundation, Summer 1979, Fuelberg (PI) at 2% annual time, Total = \$13,783.

"Processing Rawinsonde Data from the AVE VII Experiment", NASA subcontracted through Texas A&M Research Foundation, Summer 1978, Fuelberg (PI) at 2% annual time, Total = \$4,700.

#### Manuscript and Proposal Reviews:

Bulletin of the American Meteorological Society  
 Journal of the Atmospheric Sciences  
 Journal of Atmospheric and Oceanic Technology  
 Journal of Applied Meteorology  
 Journal of Geophysical Research  
 Monthly Weather Review  
 Weather and Forecasting  
 National Weather Digest  
 National Aeronautics and Space Administration  
 National Science Foundation  
 Tellus  
 COFRS Research Awards, FSU  
 Pageoph  
 Atmospheric Environment  
 Meteorology and Atmospheric Physics  
 Journal of Climate  
 U.S. Air Force  
 Journal of Hydrology

#### Teaching Activities:

Understanding the Weather (Freshman-SLU)  
 Introduction to Synoptic Meteorology (Junior-SLU)  
 Physical Meteorology (Senior-SLU)  
 Dynamic Meteorology (Senior-SLU)  
 Atmospheric Energetics (Graduate-SLU)  
 Introduction to Atmospheric Science (Freshman-FSU)  
 Introduction to Synoptic Meteorology (Junior-FSU)  
 Synoptic Lecture/Laboratory (Senior-FSU)  
 General Meteorology (Sophomore-FSU)  
 Mesometeorology (Graduate-FSU)

Theses Directed:

## Master of Science:

Gary Jedlovec	1981	Jonathan VanAusdall	1995
Peter Browning	1982	Mark Watson	1996
Matthew Printy	1983	Scott Longmore	1997
Mark Ruminski	1984	Jeff Cetola	1997
Michael Remeika	1984	Eric Lenning	1997
Paul Meyer	1985	Jeff Cupo	1997
Dennis Buechler	1985	Jon Kelly	1998
Theodore Funk	1985	Ashley Board	1998
Michael Stewart	1985	George Bieberbach	1999
Mark Andrews	1987	Rick Lusher	1999
Steve Moore	1987	Luke Peffers	1999
John Beven	1988	Chris Cantrell	1999
Brad Muller	1988	John Hannan	1999
Ron Schudalla	1988	Keith Stellman	1999
Gerald Hevrdeys	1988	Matt Duke	1999
Steve Olson	1990	Joe Maloney	2000
Jay Breidenbach	1990	David Margolin	2001
Tom Bradshaw	1991	Mark Jarvis	2001
Anthony Guillory	1991	Brian Martin	2001
David Biggar	1992	T.J.Turnage	2007
Michael Baker	1992	John Sullivan	2008
Richard Knabb	1993	Luke Peffers	2008
Wayne Hoepner	1993	Steven Martinaitis	2008
Michael Nichols	1993	Andrew Latto	2009
Anil Rao	1995	Walter Sessions	2010
Robert Loring	1995	Holly Anderson	2010
Chris Kiley	2002	Matt Onderlinde	2010
Bryan Mroczka	2002	Donal Harrigan	2010
Todd Lericos	2003	Pete Saunders	2010
Jessica Stroupe	2003	Marcus Austin	2010
Justin Winarchick	2004	Geoff Wagner	2011
Phil Shafer	2004	Zack Taylor	2011
Joseph Marzen	2004	Zak Tamurian	2012
Danielle Morse	2005	Brad Reinhart	2012
Dennis VanCleave	2006	Travis Visco	2012
Jeremy Halland	2007	Ari Preston	2012
Scott Rudlosky	2007	Chris Klich	2012
		Antonio Riggi	2013
		Dan Halperin	2012
		Max Marchand	2013
		Nick Heath	2013
		Brannon Seay	2014
		Tristan Hall	2014
		Andy Lahr	2014

## Doctor of Philosophy:

Carol Belt	1988	Bradley Muller	1994
Anil Rao	1998	Richard Knabb	1999
John Hannan	2002	Christopher Kiley	2006
Philip Shafer	2007	Geoffrey Stano	2007
Scott Rudlosky	2010	Philip Hayes	2011
		Luke Peffers	2011
		Amanda Hansen	2012
		Nick Heath	2015
		Dan Halperin	2015

## Master's Theses in Progress:

Daniel Allison  
Matt Davey  
Matt Dawson  
Joseph Patton

## Doctor of Philosophy in Progress:

Ari Preston  
Max Marchand  
Tristan Hall  
Mike Porter