

Mariana Felix  
Curriculum Vitae

**Education**

University of Alabama in Huntsville – Huntsville, AL      Anticipated Grad: Dec., 2009  
M.S., Atmospheric Science  
University of Northern Colorado - Greeley, CO      Graduation – May, 2007  
B.S., Earth Sciences  
    Emphasis: Meteorology  
B.A., Journalism and Mass Communications  
    Emphasis: Telecommunications  
Dean's List of Academic Achievement

**Honors / Campus and Community Involvement**

WAFB News Weather Radio programming – 2/2008-2009  
7 th AMS Student Conference – Session Chair 1/2008  
American Meteorological Society – UNC Chapter President – 2006-2007  
McNair Scholars Program – McNair Scholar – 2005-2007  
National Science Foundation – Research Experience for Undergraduates  
    Colorado State University – Summer 2006  
UNC Works in Progress Symposium – Second Place – October 2006  
Alpha Omicron Pi Sorority – Vice President for Academic Affairs – 2002-2004  
Latin American Educational Foundation – Award recipient 2003

**Scientific Societies**

American Meteorological Society – Student Member  
National Weather Association – Student Member

**Foreign Languages**

Brazilian Portuguese – Fluent  
Spanish – Reading proficient

**Work Experience**

Atmospheric Science – University of Alabama, Huntsville  
    Graduate Research Assistant – 5/2007-Present  
Academic Support and Advising – University of Northern Colorado  
    Orientation Student Coordinator – 2005-2007  
    Academic Advisor – 2003-2007  
    Orientation Leader – 2003-2005  
National Weather Service in Cheyenne, WY  
    Volunteer Intern – 2005-2006

**Instrumentation and Programming Experience**

Programming in Interactive Display Language (IDL)  
SOLO, Reorder, and CEDRIC (NCAR software) for editing and display of ARMOR data  
HTML  
GEMPAK

### **Publications**

Felix, M.O., and G.R. Huffines, 2007: The Cause of the Positive Cloud to Ground Lightning Anomaly over the Midwest United States: An Exploratory Survey from 2000 to 2005. *UNC McNair Research Journal*, vol. 11, p.62-70.

### **Conference Presentations**

Mariana O. Felix and Patrick C. Kennedy, "Correlation of Polarimetric Radar Hail Signatures with MODIS Satellite Ground Truth Data". University of Northern Colorado Works in Progress Symposium, Greeley, Colorado Oct. 2006.

Mariana O. Felix and V. Chandrasekar, "V-CHILL". AMS Short Course on Weather Radar Calibration: Principles and Applications. 87th AMS Annual Meeting, San Antonio, Texas, Jan. 2006.

### **Conference Poster Presentations**

Mariana O. Felix and Daniel J. Cecil, "A Multi-Platform Study of the Environment of Prolific Lightning Producing Storms in South Eastern South America." Fourth Conference on the Meteorological Applications of Lightning Data, The 89th American Meteorological Society Annual Meeting, Phoenix, Arizona, Jan. 2009.

Mariana O. Felix and Daniel J. Cecil, "The Environment of Extreme Thunderstorms in Southeastern South America." NASA Precipitation Science Team Meeting being held at the Ft. Collins, Colorado, Aug. 2008.

Daniel J. Cecil and Mariana O. Felix, "Extreme Thunderstorms Around the Global Tropics and Subtropics." 28th Conference on Hurricanes and Tropical Meteorology, Orlando, Florida, May 2008.

Daniel J. Cecil and Mariana O. Felix, "Analyzing Extreme Thunderstorms and their Environments." The Third NASA/JAXA International TRMM Science Conference, Las Vegas, Nevada, Feb. 2008.

Mariana O. Felix and Gary R. Huffines, "The cause of the positive cloud to ground lightning anomaly over the Midwest United States: An exploratory survey from 2000 to 2005". 87th AMS Annual Meeting, San Antonio, Texas, Jan. 2006.

Mariana O. Felix and Patrick C. Kennedy, "Correlation of Polarimetric Radar Hail Signatures with MODIS Satellite Ground Truth Data". 87th AMS Annual Meeting, San Antonio, Texas, Jan. 2006.