

Catherine L. Stauffer

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Education

Florida State University	PhD:	Major: Meteorology	current
	MS:	Major: Meteorology	12/2020
	BS:	Major: Meteorology with Honors, <i>cum laude</i>	5/2018
		Minors: Mathematics and Physics	

Professional Experience

Oceanography Officer (Ensign), United States Navy Reserves	2/2020-Present
Graduate Research Assistant, Allison A. Wing <i>FSU Department of Earth, Ocean and Atmospheric Science, Tallahassee, FL</i>	8/2016-8/2018
<ul style="list-style-type: none">Radiative-Convective Equilibrium Model Intercomparison Project	
Undergraduate Research Assistant, Mark A. Bourassa <i>FSU Center for Ocean-Atmospheric Prediction Studies, Tallahassee, FL</i>	8/2016-8/2018
<ul style="list-style-type: none">Air-sea coupling dependency on sea surface temperature fronts as observed by research vessel dataUsing research vessel meteorological data to analyze the atmospheric response to SST fronts	
Meteorological Analyst <i>Risk Management Solutions, Inc., Tallahassee, FL</i>	5/2016-8/2018
<ul style="list-style-type: none">Observed intensity vs potential intensity of 2017 Hurricanes Harvey, Irma, and MariaComparing the observed intensities of the hurricanes to the calculated maximum potential intensitiesAnalyses, imports, and manages data from several sources to create a wind field of a tropical cyclone to help communicate risk to reinsurers	
Student Researcher (through the FSU Undergraduate Research Opportunity Program) <i>HWind Scientific (Now RMS), Tallahassee, FL</i>	8/2015-5/2016
<ul style="list-style-type: none">Historical reconstruction of Hurricane Allen (1980)Comparing the reconstruction of the wind field of Hurricane Allen by reconnaissance data to that by CFSR	

Service and Leadership

Chi Epsilon Pi Meteorology Honor Society, FSU Chapter	11/2018-Present
<ul style="list-style-type: none">Vice President – organizes and hosts the annual banquet and new inductee ceremony	
The 33 rd Conference on Hurricanes and Tropical Meteorology	4/2018
<ul style="list-style-type: none">Student Volunteer – worked the registration desk, timer, and computer	
Florida State Alternative Breaks	2016-2017
<ul style="list-style-type: none">Site Leader – organized and lead 12 people on a week-long volunteer trip to a sustainable farm in Boone, NC	
Florida State University Student Alumni Association	2015
<ul style="list-style-type: none">Leadership Council – lead, organized, and communicated monthly events and homecoming activities	

Honors and Awards

Honors in the Major – defended an undergraduate thesis	4/2018
Garnet and Gold Scholar Society	4/2018
Chi Epsilon Pi Meteorology Honor Society	4/2018
Omicron Delta Kappa National Leadership Honor Society	11/2015
Girl Scout Gold Award	8/2014

Presentations and Publications

Wing, A. A., **C. L. Stauffer**; T. Becker, et al., (2020): Clouds and convective self-aggregation in a multi-model ensemble of radiative-convective equilibrium simulations, JAMES.

Stauffer, C. L., A. A. Wing, and K. A. Reed, Radiative Convective Equilibrium, Self-Aggregation, and Climate in the RCEMIP Suite, The 34th Conference on Hurricanes and Tropical Meteorology, New Orleans, LA, May 10-15 2020. [oral] *postponed*.

Stauffer, C. L., Air-sea coupling dependency on sea surface temperature fronts as observed by research vessel data, Women in Math, Science, and Engineering Research Symposium, Tallahassee, FL, April 2018. [oral]

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Stauffer, C. L., Observed intensity vs potential intensity of 2017 Hurricanes Harvey, Irma, and Maria, The 33rd Conference on Hurricanes and Tropical Meteorology, Ponte Vedra, FL, April 2018. [poster]

Stauffer, C. L., Air-sea coupling dependency on sea surface temperature fronts as observed by research vessel data, College of Arts and Sciences Celebration of Philanthropy and Student Showcase, Tallahassee, FL, March 2018. [poster]

Stauffer, C. L., Historical reconstruction of Hurricane Allen (1980), FSU Undergraduate Research Symposium, Tallahassee, FL, April 2016. [poster]