

Alicia M. Bentley, Ph.D.

National Centers for Environmental Prediction | Environmental Modeling Center | College Park, MD

Email: Alicia.Bentley@noaa.gov | Website: www.AliciaMBentley.com

EDUCATION

Ph.D., Atmospheric Science	2018
University at Albany, SUNY; Albany, NY Dissertation: <i>Extratropical Cyclones leading to Extreme Weather Events over Central and Eastern North America</i>	
M.S., Atmospheric Science	2014
University at Albany, SUNY; Albany, NY Thesis: <i>Upper-Tropospheric Precursors Associated with Subtropical Cyclone Formation in the North Atlantic Basin</i>	
B.S., Atmospheric Science (Honors); Minor, Mathematics – Summa Cum Laude	2011
University at Albany, SUNY; Albany, NY Thesis: <i>A Preliminary Climatology of Tropical Moisture Exports in the Southern Hemisphere</i>	

RESEARCH EXPERIENCE

Support Scientist (IMSG) NCEP/Environmental Modeling Center; College Park, MD	2018–present
ASP Graduate Student Visitor National Center for Atmospheric Research; Boulder, CO	Summer 2017
Research Assistant University at Albany, SUNY; Albany, NY	2014–2018
Teaching Assistant University at Albany, SUNY; Albany, NY	2011–2014
Research Assistant Hobart and William Smith Colleges; Geneva, NY	Summer 2010
Student Intern National Weather Service; Albany, NY	2009–2010

PROFESSIONAL DEVELOPMENT

<i>Member:</i> AMS Weather Analysis and Forecasting Committee	January 2018–2021
<i>Author:</i> First-author of 3 refereed publications; co-author of 1 refereed publication	2016–present
<i>Reviewer:</i> Journals such as the <i>Quarterly Journal of the Royal Meteorological Society</i>	2016–present
<i>Creator:</i> www.AliciaMBentley.com , a website of GFS analyses and real-time forecasts	2014–present
<i>Presenter:</i> First-author of 21 oral presentations; co-author of 22 oral presentations	2010–present

SELECT HONORS AND AWARDS

First Place Oral Presentation Award 28th Conference on Climate Variability and Change/AMS	2016
Outstanding Oral Presentation Award 26th Conference on Weather Analysis and Forecasting/AMS	2014
Class of 1905 Bazzoni Fellowship Award University at Albany, SUNY	2011
Outstanding Student Award University at Albany, SUNY	2011
Best Forecaster Award University at Albany, SUNY	2011
Karen Hauschild Friday Undergraduate Scholarship AMS	2010

TECHNICAL SKILLS

Computer Languages:	NCAR Command Language (NCL), Unix Shell Scripting, HTML, PHP
Datasets:	GEFS Reforecast, GFS analyses/forecasts, NCEP–CFS Reanalysis (CFSR), NCEP–NCAR Reanalysis, NCEP/CPC 4-km Global IR Dataset, ERA–Interim Reanalysis