



**Kelly Cebulko, M.S.**

*Consulting Meteorologist*

**Education**

2016 **M.S., Applied Meteorology**  
**Plymouth State University, Department of Atmospheric Science and Chemistry,**  
**Plymouth, NH**

Thesis: “Extreme Weather Impacts on Human Health in New Hampshire”

Advisors: Dr. Eric Kelsey, Plymouth State University; Dr. Kathleen Bush, New Hampshire  
Department of Health and Human Services

Published: “[Overview of Injuries Associated with Extreme Weather Events in New Hampshire, U.S., 2001–2009](#)” (*Atmosphere*; March 2020)

2015 **B.S., Meteorology, Mathematics Minor.**  
**University of South Alabama, Mobile, AL**  
Presidential Scholar; J. L. Bedsole Scholar

**Professional Affiliations**

American Meteorological Society

**Professional Experience**

2018- **Consulting Meteorologist**  
Present **Shade Tree Meteorology, Cropseyville, NY**

I retrieve and interpret meteorological data, analyze and determine climatological trends, draft and review detailed reports, and prepare certified weather records for clients. I also utilize R and perform literature reviews and research as required on a case-by-case basis. I am the community outreach coordinator, which involves updating the quarterly newsletter, creating content for social media posts, and planning and coordinating various outreach and marketing events.

2018- **Renewable Energy Analyst**  
2019 **NY, Albany, NY**

Through meteorological data evaluation, application of modeling techniques, and proofreading formal reports, I contributed to the development of innovative, analytical, high quality products and services. Utilized GIS, R, and industry-specific software regularly to fulfill duties.

2017- **Scientific Programmer**  
2015 **United States National Ice Center, Suitland, MD**

While working at the United States National Ice Center (USNIC), I worked closely with customers to provide post-event snow and ice analyses and information tailored to their specific needs. I conducted literature reviews, researched topics, and proofread, edited, and formatted the final product to co-produce content for “Utility of the United States

National Ice Center's Interactive Multisensor Snow and Ice Mapping System Data to View Arctic Variability," presented at the 98th Annual Meeting of the American Meteorological Society. I assisted in the revamping of training materials and Standards of Procedures (SOPs) for new hires. Additionally, I was responsible for creating outreach events, such as the "Birthday Month Club" and the "Month of Kindness" where I coordinated the collection of day-to-day necessities that were distributed to those in need in the community.

**2015-2017 Research Assistant  
New Hampshire Department of Health and Human Services, Plymouth, NH**

Through a collaboration between Plymouth State University and the New Hampshire Department of Health and Human Services, I investigated the connection between extreme weather metrics and human health outcomes, focusing specifically on New Hampshire in collaboration between PSU & New Hampshire DHHS. Furthermore, I created multiple presentations and outputs for a wide variety of audiences to provide public health education regarding health risks related to extreme weather events.

**2013-2014 Research Assistant  
University of South Alabama, Mobile, AL**

While at the University of South Alabama, I investigated frontogenesis within landfalling tropical cyclones with the UCUR REU program by analyzing ground-truth observations from the Center for Hurricane Intensity and Landfall Investigation (CHILI) Mesonet.

**Conferences and Presentations**

**2019** Winter Weather Preparedness. *Oral Presentation, LandlordsNY Community Meeting, November.*

**2017** 2017 – 2018 Ice Operations Planning for the Chesapeake and Delaware Bays. *Oral Presentation, 2017-2018 US Coast Guard Captain for Delaware Bay Meeting, November.*

**2017** An Assessment of Extreme Weather Impacts on Human Health in New Hampshire. *Oral Presentation, 97th Annual Meeting of the American Meteorological Society, January.*

**2016** An Assessment of Extreme Weather Impacts on Human Health in New Hampshire. *Oral Presentation, New Hampshire Climate and Health Training Day, June.*

**2016** An Assessment of Extreme Weather Impacts on Human Health in New Hampshire. *Poster Presentation, Plymouth State University Showcase of Excellence, May.*

**2015** An Assessment of Extreme Weather Impacts on Human Health in New Hampshire. *Oral Presentation, Annual Northeastern Storm Conference, March*

**2014** Frontogenesis within Landfalling Tropical Cyclones. *Poster Presentation, 31st Conference on Hurricanes and Tropical Meteorology, April*

**2013** Frontogenesis within Landfalling Tropical Cyclones. *Poster Presentation, 15th Annual Undergraduate Research Symposium, October*