518.831.9374 | PO Box 117, Cropseyville, NY 12052
Kelly@stmweather.com
www.stmweather.com

Kelly Cebulko, M.S., CCM

Director of Meteorological Operations

Education and Certifications

2023 **Certified Consulting Meteorologist (CCM)**, American Meteorological Society (AMS), Certificate #788

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

- Board member, AMS Board of Early Career Professionals (2021-2025)
  - Chair, 2023
  - Chair, 2023 Early Career Conference
- Committee Member, AMS Annual Meeting Local Organizing Committee (2023-2024)
- Team member, AMS Social Media Team (2020-2022)

National Weather Association

Association of Certified Meteorologists

- Team member, ACM Awards Subcommittee (2024-2025)

Professional Experience

STM Weather Cropseyville, NY

Director of Meteorological Operations *May 2026 – present*

In addition to the duties below, I assist in directing the day-to-day operations of our firm and serve as a senior organizational leader responsible for operational efficiency, staff development, and long-term strategic growth initiatives. This includes overseeing contract management for forecasting and consulting services, ensuring client expectations, deliverables, and operational standards are consistently met, and managing marketing strategy and client engagement.

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Supervising Meteorologist *May 2023 – May 2026*

In addition to duties below, I was also responsible for supervising meteorological staff and coordinating the onboarding and training initiatives for newly hired employees across operational and forensic disciplines. I oversaw quality control processes, workflow coordination, and project prioritization to ensure timely delivery of client services and reports.

Consulting Meteorologist *May 2018 – May 2023*

Conducted detailed forensic meteorological analyses by collecting and analyzing historical meteorological data and analyzing and determining climatological trends. Briefed clients on a variety of weather scenarios, prepared and reviewed detailed reports, and placed orders for certified weather records. Case analyses sometimes included additional research, such as performing literature reviews or utilizing R and/or Excel for more detailed analysis as required. Additional duties included drafting blogs, creating content for social media posts, and planning and coordinating various outreach and marketing events.

UL Albany, NY

Renewable Energy Analyst *2018-2019*

Through meteorological data evaluation, application of modeling techniques, and proofing 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.

United States National Ice Center Suitland, MD

Scientific Programmer *2017-2018*

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".

New Hampshire Department of Health and Human Services Plymouth, NH

Research Assistant *2015-2017*

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

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wide variety of audiences to provide public health education regarding health risks related to extreme weather events

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

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.

Selected Conferences and Presentations

2026 Myths, Media, and Misinformation: The Role of Accessing and Using Reliable Weather Information in Decision Making. *Virtual presentation. CeriFi Legal Edge, March.*

2026 Reconstructing History: Using Historical Weather Records to Identify the Date of the First Known Ski of Mount Washington. *Oral presentation. 106th Annual Meeting of the American Meteorological Society, January*

2025 When Weather Strikes: Understanding the Use of Meteorological Data in Legal Proceedings. *Virtual presentation. CeriFi Legal Edge, May.*

2025 When Weather Strikes: Understanding the Use of Meteorological Data in Legal Proceedings. *Virtual presentation. New York County Lawyers Association, January*

2024 Winter Weather Preparedness. *Virtual pre-recorded presentation, MassLandlords, December.*

2024 What is Forensic Meteorology? *Oral presentation, University of South Alabama Meteorology Class Presentation (Virtual), December.*

2024 Maximizing Insights: The Power of Leveraging Multiple Data Networks for a Comprehensive Forensic Analysis. *Oral presentation, WERA CoCoRaHS Meeting (Virtual), June.*

2024 Private Sector Careers in Meteorology, *Panel (virtual), Virginia Tech AMS/NWA Blue Ridge Chapter, February.*

2023 What is Forensic Meteorology? *Oral presentation, University of South Alabama Meteorology Class Presentation (Virtual), December.*

2023 Careers in Meteorology. *Oral presentation, Roxbury Prep High School, MA (Virtual), April*

2023 What is Forensic Meteorology? *Oral presentation, University of Florida AMS Chapter Presentation (Virtual), February.*

2023 Managing Your Time: The Adjustment from College to Career. *Panelist, 11th Annual AMS Conference for Early Career Professionals, January.*

2022 What is Forensic Meteorology? *Oral presentation, University of South Alabama Meteorology Class Presentation (Virtual), September.*

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2022 "A Picture is Worth A Thousand Words" The Surprising Utility of NYSM Cameras in Forensic Meteorology. *Oral presentation, 2nd Annual New York State Mesonet Symposium, September.*

2021 Weathering a Changing Climate: Increasing Resiliency through Knowledge and Preparedness. *Oral Presentation for Patchogue, NY community, Virtual, February and April.*

2020 Winter Weather Preparedness and Litigation. *Joint Presentation and Panel, Virtual, December.*

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 Sector 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.*

2016 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*

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