

Brenton W. MacAloney II

OBJECTIVE

To better understand the impact of weather events, as well as forecast and warning products on the general public through attending the Weather and Society Integrated Studies workshop. I hope to use techniques and skills learned in this workshop, coupled with verification and performance data, to help educate NWS forecasters on creating more accurate and useful forecast and warning products.

EDUCATION

Bachelor of Science – Meteorology

Lyndon State College, Lyndonville, VT

Graduation: 1999

Senior Paper: *Internet in the Meteorology Classroom: Enhancing Meteorological Education Through the Use of the World Wide Web*

PROFESSIONAL

Meteorologist

National Weather Service Headquarters, Silver Spring, MD

Years: November 2004 to present

Experience: Work at National Weather Service Headquarters within the Performance Branch. Serve as the primary interface for providing technical and administrative assistance to NWS field and regional level employees concerning forecast and warning verification programs. Conduct analyses of forecast and warning datasets to assess trends and determine future service improvements. Serve as subject matter expert on weather verification at conferences and workshops both internal and external to the NWS. Oversee the NWS's storm events collection and logging process, commonly known as storm data.

Analyst

Science Applications International Corporation (SAIC), Silver Spring, MD

Years: July 1999 to November 2004

Experience: Worked as a contractor at National Weather Service Headquarters supporting the Performance Branch. Oversaw the NWS storm data collection process, creation of severe weather verification statistics, and served as the webmaster of the NWS Verification and Storm Data Website.

VOLUNTEER

Program Leader and Volunteer

NOAA's Bring a Child to Work Day, Silver Spring, MD

Years: April 2005 and April 2006

Description: Created and lead multiple sessions for over one-hundred children, aged six through nine, showing them "A Day at a National Weather Service Office". This included educating the children on the proper actions to take should they find themselves caught in severe weather event. The session also included showing the children common weather instruments used at a typical NWS forecast office.

TRAVEL

Invited Presenter at External Customer Conferences

Purpose: The main purpose of the presentations is to help build a better relationship between the audience and the National Weather Service. Much of the presentations are spent showing the audience what verification and performance data is available, how to access and analyze this data, and how those in the audience can help improve the NWS's products and service by building a better relationship with their local forecast office.

Northeastern Storm Conference	Saratoga Springs, New York	2003, 2004, 2006
Colorado Governor's Conference on Emergency Management	Breckenridge, Colorado	August 2005
Severe Weather Workshop	Oklahoma City, Oklahoma	March 2005
International Verification Methods Workshop	Montreal, Quebec, Canada	September 2004

Invited Presenter at NWS Conferences

Purpose: To teach forecasters how warning and forecast products are collected and processed to create verification statistics. The forecasters are then shown how to interpret the verification data to understand what level of service they are giving to the public. Through real life examples, forecasters then analyze data to find trends and biases. The ultimate goal is to get forecasters to generate more accurate forecast and warning products thought looking at their forecast trends and biases.

Hydrology Program Managers Conference	New Orleans, Louisiana	December 2004
Warning Coordination Meteorologist Training Course	Kansas City, Missouri	December 2004
Storm Data / Verification Workshops	12 forecast offices	2003 - 2006