



www.weatherconsultants.com

GARY GRAEFF, CCM

CERTIFIED CONSULTING METEOROLOGIST

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Education

Millersville University

May 2022

- Master of Science in Emergency Management

Mississippi State University

December 2018

- Bachelor of Science in Geosciences, Operational Meteorology

Community College of the Air Force

November 2011

- Associate of Arts and Sciences, Weather Technology

Work History

Forensic Weather Consultants, LLC

March 2024 to Present

- Conducts in-depth meteorological analyses, prepares detailed written reports, and client consultations, site surveys/visits, depositions, and expert testimony.
- Provides weather consulting services for incidents and accidents that are the subject of insurance claims, lawsuits, disputes, etc. Clients range from single-member law firms or public adjusters to the largest insurance companies in the world.
- Completes data gathering, map, and file generation.
- Quality-controls meteorological observations, records, and data.
- Generates maps and plots of meteorological variables and information.
- Works closely with federal government agencies (NCEI, NWS) and FWC clients.
- Worked as an expert on more than 160 cases for the plaintiff, defense, insurance companies, engineering firms, and other public and private corporations.

Owner/Certified Consulting Meteorologist: G2 Weather Services October 2022 to March 2024

- Analyzed past weather events, such as storms, floods, hurricanes, tornadoes, snowstorms, etc., to determine their characteristics, intensity, and impact on a specific location or incident.

- Generated detailed reports summarizing weather conditions, patterns, and their potential effects, which can be used as evidence in legal proceedings or insurance claims.
- Offered recommendations and advice to individuals, businesses, or organizations on how to mitigate risks associated with specific weather conditions and forecasts based on professional analyses.

Director of Operations: TruWeather Solutions

April 2019 to March 2024

- Oversaw day-to-day meteorology products and services for commercial Unmanned Aircraft Systems (UAS), live events, and emergency management.
- Created logic for automated warning and advisory system.
- Collaborated with government agencies such as the FAA on weather data standards and regulations.
- Worked with standards bodies such as ASTM to develop weather safety standards for the commercial drone industry.
- Defined, implemented, and managed operational policies and guidelines for new virtual weather operations center.
- Served as a meteorology subject matter expert working on cross-functional teams to develop software and services for clients.
- Conducted gap analysis on weather sensor infrastructure for low-level aviation operations. Found gaps and provided solutions to large organizations, including state and local government.
- Led Quality Control efforts across user interfaces and API services utilizing Jira software.
- Documented processes and drafted SOPs to comply with regulations and company policies.
- Set team and individual KPIs and provided regular, actionable feedback.
- Worked collaboratively with functional leaders to implement new procedures and corrective actions to improve quality.
- Supported top-level decision-making and strategy planning, forging productive relationships with top leaders and serving as a key advocate for various personnel issues.
- Developed systems and procedures to improve operational quality and team efficiency.
- Recruited, hired, and trained personnel, working to establish key internal functions and outline the scope of positions.
- Scheduled employees for shifts, considering customer traffic and employee strengths.
- Directed product flow and informed management of delays and challenges, as well as suggested resolutions.

Weather Craftsman: New York Air National Guard

April 2019 to Present

- Prepare weather forecasts and information based on in-depth analyses of various computer model guidance and observations.
- Advise commanders on Go/No Go weather conditions for training and global contingency operations.
- Train new weather forecasters on forecast techniques for hazardous local conditions.
- Maintain currency on weather task lists, military readiness, and clearances.

Executive Flight Chief: United States Air Force

October 2018 to April 2019

- Assisted in the organization of a 35-member combat training unit across two geographically separated units.

- Served as a Resource Advisor, handling unit funds for equipment and supply procurement.
- Managed Human Resources personnel, travel program, and personnel issues.

Lead Battlefield Weather Trainer: United States Air Force December 2016 to April 2019

- Informed Commanding General leading Joint Readiness and Training Center exercises on significant weather events affecting 50K personnel and \$45B in assets annually.
- Managed a team of military trainers responsible for assessing the techniques and procedures of weather forecasters during all exercises to support Army aviation and ground forces.
- Trained 50+ weather personnel per year.

NCOIC, Airfield Weather Operations: United States Air Force March 2012 to December 2016

- Led 38 Airmen producing aviation and ground weather forecasts for the 10th Mountain Division.
- Responsible for resource protection of 124 aircraft, 49K personnel, and \$5B in DoD assets.
- Integrated weather intelligence into the full spectrum of Army operations and advised commanders on mission impacts and courses of action
- Stood up meteorological support for a Brigade Combat Team

Shift Supervisor: United States Air Force March 2009 to February 2012

- Produced Terminal Aerodrome Forecasts (TAFs), weather warnings, and aviation weather briefings for aircrews, ground forces, planners, and senior leaders at 42 DoD locations
- Led six-member team providing decision-cycle input to shape, plan and execute Air Force, Army, Guard, Reserve, and USNORTHCOM operations

Meteorology Highlights

American Meteorological Society 2015 to Present

- Active member
- Certified Consulting Meteorologist (CCM) designation #776

Association of Certified Meteorologists 2022 to Present

- Consulting member
- ACM Consulting Members are AMS Certified Consulting Meteorologists. Members have demonstrated a broad background in meteorology, together with a detailed knowledge in a particular field of specialization. Members demonstrate exemplary qualities of character and devotion to high professional standards and are considered experts in the application of weather information to a host of challenges.

National Weather Association 2023 to Present

- Active Member

Windstorm Insurance Network 2025 to Present

- Active Member

Claims and Litigation Management Alliance

2024 to Present

- Active Member

Property and Liability Resource Bureau (PLRB)

2025 to Present

- Affiliate Member

Awards and Certifications

“Certified Consulting Meteorologist” A.M.S. Designation

March 2022 to Present

- The CCM designation is issued by the Society to highly qualified meteorologists providing research and services to a wide variety of users of weather information. These services extend beyond the traditional public service functions and statutory responsibilities of the National Weather Service. To earn the CCM credential, a meteorologist must make an application for the designation, be recommended by three associates, pass a stringent written examination, and pass a verbal examination before a national board of examiners. The CCM designation is granted only to those who demonstrate a broad background in meteorology, together with detailed knowledge in a particular field of specialization. CCMs must demonstrate exemplary qualities of character and devotion to high professional standards.

SEAC Coin of Excellence

2015

- Recommended by superiors and awarded by the Senior Enlisted Advisor to the Joint Chiefs of Staff. The highest enlisted member in the U.S. military.

Battlefield Weather NCO of the Year

December 2013

- Awarded for exceptional performance advising commanders on weather impacts during Operation Enduring Freedom in Kandahar, Afghanistan
- Awarded by the 93rd Air-Ground Operations Wing.

NWS Buffalo Storm Spotter Training

2013

- To obtain critical weather information, the National Weather Service (NWS) established SKYWARN with partner organizations. SKYWARN is a volunteer program with between 350,000 and 400,000 trained severe weather spotters.

Airman Leadership School Distinguished Graduate

August 2012

- Ranked #1 of 37 Airmen for academics during Airman Leadership School

Professional Presentations

Friends and Partners in Aviation Weather (FPAW) Spring Meeting; Remote

April 2021

- “Lessons From the Field”. A look at impacts of low-level weather phenomena on small commercial UAS operations

- Grand Sky Weather Drone Powers ND Micro-Weather Service

Publications and Media

TruWeather Solutions White Paper

May 2020

- “Weather Resiliency for Safe and Effective Unmanned Aircraft System Emergency Management.”

Other Activities

sUAS Pilot License

June 2021 – Present

- Licensed to fly small, unmanned aircraft under 55 lbs. under FAA Part 107 regulations.

Federal Emergency Management Agency

January 2022

- Completed and awarded certification for Professional Development Series

American Meteorological Society

January 2022

- Attended “Meteorological Tools, Processes, and Techniques Used in Private Business Short Course”