

METEOROLOGIST

FORENSIC METEOROLOGY • CLIMATOLOGY • AVIATION WEATHER • ENERGY COMMODITIES METEOROLOGY

Highly regarded meteorologist with extensive commercial and corporate experience in the analysis of weather patterns to determine optimal timing for financial decisions and national security operations. Further professional experience includes reconstruction of historical weather for litigation needs. Former Air Force meteorology officer with strong teamwork values and a high degree of comfort in high-stress and fast paced environments.

**Weather Forecasting | Meteorology | Commodity Markets | Trading | Wind | Natural Gas
Data Analysis | Climate Change | Agriculture | GIS | Climatology | Energy Markets | Satellite Imagery**

EXPERIENCE

CARON WEATHER CONSULTANCY, Houston, TX

Dec 2008 – Present

Forensic Meteorologist

- Extensive experience as a Subject Matter Expert and sought-after witness in preparing meteorological and climate data for litigation, insurance, and research nationwide including, but not limited to, tropical cyclones, flooding, hail, windstorms, ice storms, severe weather, and lightning strikes.
- Detail-oriented presentation of tailored weather reports for individual and corporate clients.
- Reconstruction of weather conditions separating fact from fiction based on selection, acquisition and evaluation of data.

ATMOSPHERIC G2, Houston, TX

Jan 2022 – Present

Director, Decision Support Meteorologist

- Lead operational meteorological services as it relates to energy, agriculture, and marine decision support.
- Deliver timely, accurate weather forecast content in written, graphical and verbal formats to 950+ clients.
- Strategize new, innovative and relevant product development tailored to unique client needs.

MACQUARIE, Houston, TX

Feb 2008 – Nov 2021

Chief Commodities Meteorologist

- First meteorologist hired by Macquarie Bank and built the bank's weather department from the ground up.
- Constant face-to-face and electronic communication with 120 traders and 500+ clients helping to manage \$10MM+ USD daily trading operations.
- Designed a daily-updating, 33-page weather bulletin including meteorological charts, maps and tables managing weather-based risk.
- Managed a \$950K budget of weather data analytics and third-party vendors.
- Forecasted hourly, weekly, daily, monthly, and seasonal weather patterns for major cities across North America, Europe, and Asia.
- Produced tropical forecasts including track, intensity, storm surge and rainfall that directly aided in personnel safety.
- In-house weather forecast consistently beat 4 top-tier external weather vendors allowing Macquarie a significant market advantage.

CITIGROUP, Houston, TX

Nov 2006 – Feb 2008

Commodities Meteorologist

- Forecasted hourly, weekly, daily, monthly and seasonal weather patterns for major cities across North America in support of 50 energy commodity traders.
- Provided 24/7 weather forecasting coverage including daily, in-person live interaction along with evenings, weekends and holidays via text messaging, email, phone and zoom calls.
- Translated technical weather terms into layman terms quickly and efficiently for commodity traders to make critical trading decisions and manage millions of dollars of risk.

ADDITIONAL EXPERIENCE

UNITED STATES AIR FORCE Meteorology Officer

Jun 2003 – Nov 2006

- Led 30+ military personnel at Davis-Monthan AFB, AZ and managed \$4MM Air Force weather system that supported 100 Department of Defense installations in the U.S, Central, and South America.
- Launched crucial flight weather hazard impact information from Tyndall AFB, FL to Pentagon directly contributing to the successful completion of post 9/11 missions during Operation Noble Eagle.
- Key member of the Katrina Crisis Action Team at Keesler AFB, MS completing 24/7 weather support to hurricane Katrina relief operations including joint search/rescue and humanitarian relief efforts.
- Built mission execution forecasts in support of Pacific bomber aircraft such as B-1, B-2 and B-52 bombers out of Andersen AFB, Guam during critical wartime efforts.

EDUCATION & CERTIFICATIONS

Bachelor of Science - Atmospheric Sciences University of Arizona, Tucson, AZ

- Air Force ROTC Scholarship earning military leadership course credits
- The National Society of Collegiate Scholars
- Phi Eta Sigma National Honor Society

Certified Consulting Meteorologist Seal (One of only 207 nationwide) American Meteorological Society

The American Meteorological Society has established high standards of technical competence, character, and experience for certified consultants who provide advice in meteorology to the public. The CCM program was established to ensure that certain individuals have been tested and found to meet or exceed those standards.

AWARDS & LEADERSHIP

- **Air Force Achievement Medal** - Awarded for distinguished meritorious service as Lead Meteorologist, 25th Operational Weather Squadron, Davis-Monthan AFB, Arizona. Successfully led 30+ personnel military operations floor supporting western United States and South America military missions. Expertly integrated weather data into the air tasking order cycle, which was critical to the successful completion of 150 homeland defense sorties.
- **Air Force Commendation Medal** - Awarded for distinguished meritorious service as Officer in Charge, 36th Operations Support Squadron, Andersen AFB, Guam. Managed the flawless bomber mission execution forecast process in support of the Pacific Command deployment of B-1, B-2 and B-52 bombers.
- **Air Force Expeditionary Service Medal** - Awarded for distinguished meritorious service as meteorologist, 601st Combat Operations Squadron, Tyndall AFB, Florida. Produced 200+ correct and concise weather briefings to the Joint Forces Air Component Commander and supported 150+ sorties to include E-3, fighter and tanking missions.
- **Global War on Terrorism Service Medal** - Awarded for directly serving in support of the Global War on Terrorism-specified Operation Noble Eagle. Service members must be assigned, attached or mobilized to a unit participating in or serving in support of designated wartime operations.
- **National Defense Service Medal** - Awarded for honorable active military service of the armed forces of the United States during the Global War on Terrorism.
- **Air Force Training Ribbon** - Presented to U.S. Air Force service members on completion of accession training. Training includes basic military training and commissioning through the Reserve Officers' Training Corp (ROTC).