DANIEL E. PAGLIARO, CCM, CMPIC

(505) 850-0290
daniel.pagliaro@pagcore.com
9006 Cordova Ave NE
Albuquerque, NM 87112
Security Clearance
DoD: Top Secret/SCI

SUMMARY OF QUALIFICATIONS

- American Meteorological Society (AMS) Certified Consulting Meteorologist (CCM) with 24 years of combined civilian and military experience in operational and forensic meteorology
- Serving on the Association of Consulting Meteorologists (ACM) Ethics and Standards Committee since 2021
- Served as Chief Meteorologist for the Albuquerque International Balloon Fiesta. Responsible for providing timely and accurate weather information for 600+ hot air balloon crews and 900,000 spectators.
- Provided meteorological support and subject matter expertise to the America's Challenge gas balloon competition. Briefed participating balloon crews on current and forecast weather impacts; interpreted numerical weather prediction (NWP) models to brief crews on projected flight paths and significant weather en-route and at potential landing sites.
- Effective team leader – managed 14-member weather flight; chaired 7-member modeling and simulation working group.
- Remotely-piloted aircraft expert – in-depth knowledge of weather impacts on the MQ-1 Predator, RQ-4 Global Hawk, and MQ-9 Reaper
- Extensive intelligence, surveillance, and reconnaissance (ISR) knowledge – provided integrated weather support into U-2, RQ-4, and T-38 mission planning and execution.
- Successfully negotiated and administered weather support agreements with supporting weather units in multiple combatant commands.
- Coordinated and administered host-tenant weather support agreements between the 9th Operations Support Squadron and Beale tenant units.
- Proficient in FORTRAN 77, C++, Visual BASIC, PHP, and HTML programming languages
- Extensive knowledge of computer network architecture, including Windows and UNIX/LINUX-based networks.

PROFESSIONAL EXPERIENCE

President and Founder Jan 11-Present
PAGCORE Solutions, LLC

- Completed detailed forensic weather investigations and delivered Technical Reports outlining the findings of each investigation for multiple clients:
    - CompuWeather, Inc.
        - Performed initial forensic investigation of the meteorological conditions present during the flight of helicopter N191SF involved in fatal crash on 29 Jan 2019 over southern Ohio. Presented findings to client attorney (representing Defendants) for the matter *Cunningham v. Viking Aviation, et. al.*
        - Prepared forensic weather analysis and report for insurance claim related to a fatal aircraft crash on May 28, 2021 that included weather conditions present at departure, during the flight path, and in the vicinity of the crash site. Presented report and discussed findings with client attorney representing Defendants.

- Prepared forensic weather analysis and report for personal injury lawsuit David Chapman v. United Airlines et. al., related to passenger injuries sustained when United Airlines Flight 6223 encountered severe convective turbulence in flight. Performed detailed analysis of weather conditions along flight path and submitted expert report documenting the conditions encountered by Flight 6223 and gave deposition that was attended by Client attorneys (representing Plaintiff) and opposing counsel for the Defendants. Parties reached settlement in May 2024.
- Prepared forensic weather analysis and report for insurance claim related to a fatal aircraft crash on February 13, 2022 that included weather conditions present at departure, during the flight path, and in the vicinity of the crash site. Presented report to insurer of the aircraft.

- Conklin, Woodcock & Ziegler P.C
  - Collected and analyzed surface observations, Watch/Warning/Advisory, and NEXRAD radar data for the vicinity of Santa Rosa, New Mexico on February 2, 2022. Meteorological investigation in regards to ongoing litigation from fatal multi-vehicle crash on Interstate 40 during snow and icy conditions. Prepared summary briefing to counsel (defendants) and presented findings.
- Hinkle Shanor LLP
  - Performed forensic wind and air quality investigation for Los Lunas, New Mexico between 2020 and 2022 in the matter Delfido Conroy, et. al. v. Vista Los Lunas LLC, et. al. Prepared summary briefing and presented findings to counsel (defendants).

- Christian, Dichter & Sluga, PC
  - Compiled hail and wind damage reports for Espanola, New Mexico from 2016 through 2023 in relation to an insurance claim to a damaged building. Performed site survey at the building location, collected and analyzed hail and wind reports for Espanola, New Mexico, and presented findings to counsel (defendants).
  - Performed forensic meteorology investigation; collected and analyzed hail and wind data for Albuquerque, New Mexico from May 2018 through February 2022 for the matter Skate City Albuquerque v. Tokio Marine Specialty Insurance, et. al. Presented findings and conclusions to counsel. Parties reached settlement in June 2024 (defendants).

- Mausner Graham Injury Law PLLC
  - Performed temperature, humidity and heat index analysis for air ambulance flight from Ecuador to Panama for McCabe-Eastwood v. Reva, Inc. Presented findings to counsel. Submitted Expert File to counsel (plaintiff) in preparation for deposition. Case settled before scheduled deposition.
  - Performed rainfall analysis by collecting and analyzing surface observations and NEXRAD radar estimated rainfall data for Doral, Florida for the matter Laurie Saidiner v. Trump National Doral, et. al. Prepared summary briefing and presented findings to counsel (plaintiff).

- Kreindler & Kreindler LLP
  - Performed forensic weather investigation for fixed wing air ambulance crash near Stagecoach, Nevada on February 24, 2023 and presented initial findings to client in support of decision to proceed with litigation. Collaborated with aviation expert and accident reconstruction expert to validate forensic analysis and conclusions and recommendation to counsel (potential plaintiff) on the way-ahead.

- Slate Stern Law
  - Performed forensic weather investigation for potential helicopter air ambulance routes to identify flight windows of opportunity for the case Timothy Lovato, et. al., v. Roswell Hospital Corp, et. al. Presented findings to client attorney and other attorneys on the legal team representing the Plaintiff.

- Richard Sims Law Office
  - Performed forensic investigation and prepared summary report in support of civil litigation in the matter *Shetter v. Ash.* Client attorney represented Defendant. Attended court session in anticipation of presenting Expert Witness Testimony. Case dismissed by the court before testimony could be given.

- Everest Balloon, Inc.
  - Prepared and briefed tailored aviation weather forecasts for high-altitude gas balloon flights for various locations within the United States and in Europe.

- Warnock MacKinlay Law
  - Performed forensic weather analysis and presented Initial Findings Briefing for injury claim in the matter *Cline v. DPJ Hospitality Investments, et. al.,* stemming from roof collapse in high thunderstorm winds in Phoenix, Arizona on July 19, 2018.

- Law Office of David Greer
  - Performed forensic weather analysis for slip-and-fall accident near Sedillo Hill, New Mexico on or about January 16, 2020. Prepared forensic meteorology report and presented findings to Client (representing potential Plaintiff).

- Hatcher Law Group
  - Performed forensic snowfall and weather analysis for the Albuquerque foothills to determine the presence of snow and ice for the case *Moody v. Frank Kapuranis et. al. (2020).* Prepared and presented Initial Findings Briefing to Client (representing Defendant).

- Dixon, Scholl & Carrillo, P.A.
  - Performed forensic rainfall analysis to determine if flooding in northeast Albuquerque during the 2018 monsoon season was due to an extreme precipitation event. Presented findings to Defendant's counsel in the matter *Martinez v. 360 Ventures, et. al*.

- Sutin, Thayer, & Browne Law Firm
  - Conducted forensic meteorological investigation to determine the occurrence of hail, and estimated hail size per each occurrence, in Portales, New Mexico from 2012 to 2017. Performed 55-year hail climatology analysis for Roosevelt County, New Mexico. Presented findings to Plaintiff's counsel in the case *Eastern New Mexico University v. Walter Parker Company, LLC d/b/a Roofcare, Inc., et. al. (2018)*

- Allen, Shepherd, Lewis & Syra, P.A.
  - Conducted a forensic meteorological investigation to determine the occurrence of thunderstorms along a section of Interstate 40 in central New Mexico on August 10, 2013. Prepared report and presented findings to Defendant's counsel in the case *Pruitt v. Moore et. al. (2017-2018)*

- Top Gun Competition Balloon Club
  - Provided tailored pre-flight weather forecasts for the Rio Grande Classic Hot Air Balloon Competition
  - Presented pre-flight weather briefings to 30+ hot air balloon crews in the Rio Grande Classic competition each morning during the 4-day event

- Albuquerque International Balloon Fiesta
  - Thunderstorm event (2017, 2012)
  - Wind events (2016, 2015)

- Chief Meteorologist for the Albuquerque International Balloon Fiesta (AIBF)

    - Led 5-member Weather Team to support flight operations and activities at Albuquerque International Balloon Fiesta, managed AIBF Weather Station operations, and provided subject matter expertise on micro-scale weather impacts to hot air balloon flight.
    - Prepared, disseminated and briefed daily Flight Weather Briefings to Balloon Fiesta officials to support Go/No-Go decisions for flight operations; ensured safety of flight for 600 balloon crews and 800,000 spectators.
    - Prepared, disseminated and briefed Pre-Flight Weather Briefings for the America's Challenge gas balloon competition. Briefed 6 aircrews on take-off, en-route and landing weather for cross-country balloon race. Continuously monitored weather conditions during the race and updated America's Challenge officials on changing weather conditions to ensure safety of flight.
    - Collected surface and upper-level meteorological data using Pilot Balloons (PIBALs) and theodolite.
    - Analyzed surface, upper-level, satellite, radar data and computer model outputs, and briefed significant weather impacts to Balloon Fiesta officials
    - Installed, calibrated and maintained fixed and transportable meteorological instrumentation used for collecting surface weather data in and around Balloon Fiesta Park
    - Planned, coordinated and executed operational tests of meteorological equipment to verify and validate calibration of instruments and optimization of computer algorithms used to compute derived meteorological parameters.
    - Established, maintained and validated processes and standard operating procedures for the AIBF Weather Operations.
    - Designed, developed and implemented the training and certification program for Balloon Fiesta Weather Team members, ensuring standardized approach to providing meteorological support by appropriately skilled and qualified personnel.
    - Identified deficiencies in current AIBF weather support capabilities and propose technical solutions to address such deficiencies.
    - Provided technical advisory support to the City of Albuquerque regarding procurement of a lightning detection system for Balloon Fiesta Park.

Commander, Weather Flight May 10-Mar 11

9th Operations Support Squadron, Beale Air Force Base, CA

- Led a 14-member team that provides weather support to Beale Air Force Base activities.
- Provided 24-hour weather forecast and monitoring to U-2 and Global Hawk missions worldwide in support of intelligence, surveillance, and reconnaissance (ISR) collection.
    - Integrated weather impacts into the ISR mission planning and execution process (imagery collection, sensor selection, time-sensitive targets, etc.)
    - Facilitated aircraft mishap investigation by conducting forensic weather analysis to reconstruct weather conditions at the time and location of aircraft incident
- Administered Weather Support Agreements between the Beale Weather Flight and weather units in multiple combatant commands to ensure seamless weather support to ISR flying operations worldwide.
- Organized, trained, and equipped the Weather Flight, and provide highly-skilled Airmen to combatant commands in support of Operations Enduring Freedom and Iraqi Freedom.
- Planned, programmed, budgeted, and allocated resources to provide weather support to present and future ISR operations worldwide.
- Developed courses of action (CoA), perform cost analysis on each alternative, and implement selected CoAs to maximize weather support to ISR missions.
- Expanded weather flight's secure network infrastructure to support expanding RQ-4 mission.
    - Installed six secure local area network (LAN) connections to accommodate additional information technology (IT) equipment in preparation to support new RQ-4 operations concept.
    - Acquired and installed three secure computers and three secure voice communication systems.
- Served as the 9 OSS Functional Area Agreement Coordinator. Administered host-tenant support agreements between the 9 OSS and tenant units on Beale Air Force Base.

Staff Meteorologist Apr 08-May 10

Air Force Operational Test and Evaluation Center (AFOTEC), Kirtland Air Force Base, NM

- Lead environmental professional consultant on over 50 Operational Test and Evaluation programs supporting Air Force and Department of Defense acquisition systems
- Advised test teams in 12 locations on terrestrial and space environmental impacts for planning, execution and reporting.
- Analyzed test data to fully identify capabilities and limitations of Department of Defense weapon system acquisitions before fielding
- Defined and reviewed weather data requirements and collection strategies to ensure operational realism and test accuracy
- Chaired seven-member working group to integrate modeling and simulation for weather scenarios where live testing was impractical or impossible due to cost, scheduling, or safety considerations
- Support operational test and evaluation of the following systems: F-35 Joint Strike Fighter, RQ-4 Global Hawk upgrades, MQ-9 Reaper, Laser Joint Direct Attack Munition (JDAM), and Laser Maverick.

Meteorologist May 03-Jun 06

20th Operational Weather Squadron, Yokota Air Base, Japan

- Key technical leader in 21-member Regional Weather Operations Flight providing 24/7 operational-level weather support to 19 Air Force and Army installations within Japan and Korea.
- Provided technical expertise on regional weather phenomena. Ensured resource protection for 98,000 personnel and $2 billion in assets.
- Led weather support efforts for major military exercises in Japan and Korea; brief combatant commanders on significant weather impacts to ensure successful execution of military exercises.
- Conducted forensic weather investigations to reconstruct weather conditions for several significant events
    - Aircraft mishap along the Korean Demilitarized Zone (2005)
    - Major hail event at Yokota Air Base, Japan (2004)
- Administered $2 million UNIX-based network system (New Tactical Forecast System (N-TFS)) for ingesting, processing, and distributing weather data. Successfully converted N-TFS data collection and distribution from Very Small Aperture Terminal (VSAT)-based connectivity to Transfer Control Protocol/Internet Protocol (TCP/IP)-based links.
- Administered and developed automated scripts for Windows-based weather analysis, forecasting, and data distribution system.
- Spearheaded effort to establish network connectivity to seven US Air Force automated weather observing sites in South Korea and Japan; enabled real-time monitoring of weather conditions at remote locations to improve accuracy and timeliness of forecasts and watches, warning and advisories.

Forecaster Oct 98-May 02

University Weather Center, Danbury, CT

- Used satellite and radar imagery; surface and upper-air analysis and numerical model data to generate daily weather forecasts for six newspapers in Connecticut and New York State
- Generated twice daily tailored weather forecasts for two major electric companies in Pennsylvania and Michigan
- Fielded questions from local media outlets, emergency preparedness agencies, and the public concerning current and expected area weather conditions
- Supported forensic weather investigations for various clients, including news outlets, energy companies, law firms, and government agencies, by analyzing meteorological data and assisting in the preparation of historical meteorology reports

FORMAL EDUCATION

- Master of Civil Engineering, Norwich University, Northfield, VT
    - Emphasis in Structural Design

    - Capstone Project: Albuquerque Innerbelt Tollway Concept and Feasibility Analysis
- M.S., Meteorology, 2008, Naval Postgraduate School, Monterey, CA
    - Emphasis in Numerical Weather Prediction/Computer Modeling
    - Thesis: Verification of the AFWA 3-Element Severe Weather Forecast Algorithm
- B.A., Meteorology, 2002, Western Connecticut State University, Danbury, CT
    - Emphasis in Operational Forecasting/Computer Modeling

PUBLICATIONS

- Pagliaro, D., & Torres, J. (2020, January). Extreme Events Across New Mexico During the 2018 North American Monsoon. In 100th American Meteorological Society Annual Meeting. AMS.
- Pagliaro, D. E. (2008). Verification of the AFWA 3-Element Severe Weather Forecast Algorithm. Naval Postgraduate School, Monterey, CA.

PROFESSIONAL CERTIFICATIONS

- American Meteorological Society (AMS), Certified Consulting Meteorologist (CCM, Certificate #723)
- Engineer Intern (New Mexico, Certificate #7781)
- Configuration Management Process Improvement Center, Configuration Management Principles and Implementation Certification (CMPIC)
- Configuration Management Process Improvement Center, SAE/EIA-649C Certification