Dan Minor

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FORENSIC Meteorologist:

- Former Naval Officer and Oceanographer with a demonstrated history of succeeding in a myriad of diverse and demanding environments. Strong technical and analytical services background, with additional experience in deployable collection systems and post environmental event reconstruction and assessment.

PROFESSIONAL EXPERIENCE:

Complete General Contractors, Inc. - Pensacola, FL: 2010–Present *AMS Certified Consulting Meteorologist*

- As a CCM and part time forensic meteorologist I work with clients and insurance companies as a severe weather consultant. I routinely produce analysis and reports on impacts of severe weather on subject properties. As part of my duties, I often deploy environmental sensors (atmospheric and tidal current loggers) in advance of tropical systems to collect in-situ data for post analysis and research. Additionally, I interact with other CCMs, share knowledge, and experience, and serve as a mentor and trainer to broaden my professionalism and help grow and improve the forensic meteorology community.

PROFESSIONAL EXPERIENCE (cont.):

United States Navy - 2018–2020 *Training Department Head at US Navy's Primer High-Performance Computing Center*

- As the training department head at Fleet Numerical Meteorological and Oceanographic Center (FNMOC), I oversaw all aspects of professional training for 200 scientists/technicians and military personnel, ensuring that they stay current in the latest environmental software tools, computer languages and industry standards. Additionally, I certified that all newly assigned meteorologists are fully trained and ready to contribute prior to qualification. Additionally, I provide quality assurance (QA) reviews of products and forecasts and conduct follow on training as required. Finally, I manage a training budget of 140k annually and coordinate all training related contracts, conferences, and travel.

United States Navy Springfield, VA: 2015–2018 *Navy Support Team Geospatial Intelligence (GEOINT) National Geospatial-Intelligence Agency (NGIA)*

- Member of team that introduces and integrates new Geospatial-Intelligence (GEOINT) capabilities to the U.S. Navy global forces. Led the implementation of new GEOINT certification standards for Naval personnel, significantly increasing productivity and professionalism of information warfare professionals' fleet wide. Areas of focus include commercial satellite applications in Maritime Domain Awareness (MDA) and the Arctic region, as well as the use of learning algorithm tools and big data analytics on imagery and social media feeds.

United States Naval Central Command Bahrain: 2014–2015 *Deputy Fleet Oceanographer / Officer-In-Charge (OIC)*

- As Senior Meteorologist assigned, demonstrated expert knowledge of current concepts, theories, principles, practices, approaches and initiatives in synoptic scale and tactical weather forecasting and observing requirements, programs, and operations. Extensive knowledge of surface and upper air weather observing, weather forecasting techniques, models and advanced computer processing techniques, weather effects evaluation methodologies, weather satellite developments and Navy tactical intelligence evaluation.

Combined Task Force-52 Gulf Port, MS: 2012 –2014 *Task Force Department Head/ Meteorologist*

- As Senior Meteorologist assigned, demonstrated expert knowledge of current concepts, theories, principles, practices, approaches and initiatives in synoptic scale and tactical weather forecasting and observing requirements, programs, and operations. Extensive knowledge of surface and upper air weather observing, weather forecasting techniques, models and advanced computer processing techniques, weather effects evaluation methodologies, weather satellite developments and Navy tactical intelligence evaluation.

PROFESSIONAL EXPERIENCE (cont.):

Professional Development Center Bahrain: 2010 –2011 *Community Training Manager*

- Monitored all meteorology and oceanography community training and reviews to identify short comings and potential training gaps. Recommended deletion of obsolete courses and creation of new ones in resource constrained environment. Kept abreast of the latest available meteorological technologies and training doctrine. Coordinated with regional training officers to ensure that we were meeting their expectations and provided this week back to the curriculum developers.

Combined Task Force-Horn of Africa (HOA) Djibouti: 2010 –2009 *Task Force Chief Meteorologist*

- Led a 4-person team that provided aviation and operational data to DoD units operating in 15 East African countries. Oversaw the procurement, site selection, physical setup, and network connections of a dozen Automated Weather Sensors (AWOS) throughout East Africa. These deployed systems used Iridium modem connections to report back to DoD networks critical environmental observations.

CERFICATIONS & EDUCATION:

- American Meteorological Society (AMS) Certified Consulting Meteorologist (CCM)
- Geospatial-Intelligence Professional – Foundation (GPC F)
- PADI – Divemaster
- TDI – Extended Range Diver
- 2d Combat Weather Systems Squadron - Deployed Weather Systems Training course
- Certified U.S. Navy Afloat Training Specialist (ATS)
- Geospatial Information and Services (GIS) Officer Training Course, Springfield, VA
- Dept of Labor Journeyman Forecaster (6000 hours)
- Proficient in MS Office products (Word, Office, Excel, PowerPoint, Access)

CORE EXPERIENCE AND ACHIEVEMENTS:

- **Chief Meteorologist**
  - Extensive practical experience as an Operational Meteorologist including specific qualifications in aviation, tropical cyclone, polar and severe weather forecasting.
  - Led a multi-million-dollar initiative that source selected, garnered international consent, and deployed Automated Weather Observation Sensors (AWOS) at strategic sites throughout the Middle East and the Horn of Africa.
  - Managed all facets of the pioneering initial deployment of the $70 Million-dollar Hydroid Remus 600 Unmanned Underwater Vehicle (UUV) platoon to the US Navy's 5th Fleet, in support of environmental collections. This included drafting the initial request for forces, procuring laydown spaces, and handling customs and logistics for incoming personnel & equipment. Ensured systems were accepted on time and significantly under budget.
- **Oceanographer**
  - Helped design and test the prototype launch and recovery system for deployable UUV's.
  - Identified key survey areas and deploy and recover Acoustic Doppler Current Profiler (ADCP) units and CTD's
  - Analyze forecast performance using alternative data sources (deployed automated collection systems), identify strengths and shortfalls, and fed this information back to the modeling team.
- **Forensic Meteorologist**
  - Analyzed environmental data and eyewitness reports for over two dozen tropical storms and hurricanes to provide detailed weather reports and expert opinions for specific properties and events.
  - Additional experience includes reports covering severe thunderstorms, hail events, lightning strikes, and tornadoes.