



*Red Sky Weather Service, LLC
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Joseph Veneziano Curriculum Vitae

SUMMARY OF EXPERTISE

Mr. Veneziano is a seasoned meteorologist with global weather experience and exemplary scientific degrees in meteorology, physical oceanography and applied mathematics. He is noted for his analytical and scientific acumen, resourcefulness, self-motivation and dedication in all aspects of meteorological forecasting, climatological analysis and project management. Mr. Veneziano's exceptional written, verbal and interpersonal communication skills enable him to effectively and concisely relay his scientific and technical knowledge to any audience. His areas of expertise include:

- Meteorology and climatology data analysis and operational assessment
- Marine meteorology and physical oceanography
- Geographic Information Systems, mapping and spatial analysis
- Unmanned Aerial Vehicle meteorological data collection and dissemination
- Scientific computer programming; Fortran, MATLAB, Visual Basic, PHP
- Environmental mathematical modeling

PROFESSIONAL EXPERIENCE

Red Sky Weather Service, LLC, Norfolk, VA Owner and Chief Meteorologist, 2003 – Present

- Developed company specializing in
 - Meteorology consulting
 - Climatology data analysis and assessments
 - Geographic Information System (GIS) mapping and spatial analysis
 - Technical research and writing
- Significant projects include
 - GIS Services to Family Health International. Project included development and conducting training in GIS fundamentals and applications, developing and building three country GIS databases depicting client facilities, patient populations, delivered services and country infrastructure, performed in country training and direct GIS support to client's team in Kenya, Rwanda and Zambia.
 - Meteorological analysis services to Maupin Taylor, P.C., Wilmington, North Carolina in support of roof loss at Kure Beach during Hurricane Ophelia (2005)
 - Meteorological analysis and expert witness services to Taylor and Walker, P.C., Norfolk Virginia in support of civil case concerning damage to Doubletree Hotel, Norfolk Airport during Hurricane Isabel (2003)

- Meteorological analysis and expert witness services to Taylor and Walker, P.C., Norfolk Virginia in support of civil case concerning damage to NTELOS Harbor Pavilion, Portsmouth, Virginia during Hurricane Isabel (2003)
- Meteorological analysis services to Zwerling, Leibig and Moseley, P.C., Arlington, Virginia in support of murder trial
- Twenty-eight year historical wind analysis for Houston, Texas in support of pollution study
- Author of detailed climate assessments of Caribbean, Eastern Coast of South America and French Polynesia for Sea Dream Yacht in support of cruise ship operations
- Developed and maintained national weather monitoring and analysis program for Oldcastle Materials, Inc, national highway construction division
- Collaborated with Klett Consulting Group, Inc as lead researcher and co-author for U.S. Navy SPAWAR (PMW-150) paper detailing the collection of meteorological data utilizing organic sensors from operational military Unmanned Aerial Vehicles (UAVs).
- Project manager for Klett Consulting Group, Inc for meteorological UAV operations during U.S. Joint Forces Exercise.

**Embry-Riddle Aeronautical University, Norfolk, VA
Adjunct Associate College Professor, 2002 – 2006**

- Adjunct associate college professor teaching meteorology, physics and college mathematics, through introductory calculus.

**U.S. Naval Meteorology and Oceanography Center, Norfolk, VA
Senior Operational Military Meteorologist, 2000 – 2003**

- Expertly managed U.S. Navy Long-Range Forecasting Division/Energy Conservation Program. Program was directly responsible for over \$4 million in cost avoidance for Department of Navy U.S. shore establishment's fuel and utility budget fiscal year 2000 to fiscal year 2001.
- Highly automated long-range forecasting process through the development of unique visual basic, MATLAB procedures and computer codes.
- Developed and automated unique mathematical forecast verification program for long-range forecasts, providing valuable forecast guidance.
- As maritime forecaster and ship router, produced accurate and critical medium to long-range weather forecasts and track guidance for units of the Atlantic Fleet.

**Royal Navy Commander in Chief Fleet Weather and Oceanographic Centre, London, UK
Senior Meteorology Forecaster, 1998 - 2000**

- Expertly produced invaluable environmental forecasts, including aviation, marine, ground and oceanographic, for United Kingdom Ministry of Defense and Civilian Ministries for locations throughout the world
- Lead forecaster for several highly critical UK military operations, including Kosovo, Iraq and West Africa. Skillfully supported all phases of operations; including maritime, ground and aviation, with detailed weather and operational impact forecasts
- Developed all meteorological procedures for U.K. Ministry of Defense Cruise Missile Program. Highly commended for this effort by Commander In Chief Naval Forces Europe.
- Developed unique climate assessment and operational impact products for U.K. Ministry of Defense. Products proved highly useful in all phases of strategic mission planning.

U.S. Navy Meteorology and Oceanography Center, Guam, Marianas

Meteorologist, 1993 - 1995

- Tactical Meteorology Division supervisor. Coordinated and provided all tactical meteorological support for U.S. Naval, U.S. Marine Corp and Joint operations in the Western Pacific, Philippine Sea, Indian Ocean, Arabian and Persian Gulf.
- Supervised and trained six forecasters producing weather forecasting and providing meteorological services to U.S. Navy, NOAA, U.S. Coast Guard and U.S. merchant vessels in the Western Pacific.
- As maritime forecaster and ship router, produced accurate and critical medium to long-range weather forecasts and track guidance for units of the Atlantic Fleet.

EDUCATION

M.S., Meteorology and Physical Oceanography

U.S. Naval Post Graduate School, Monterey CA, 1998

Thesis – Response of the South China Sea to Forcing by Tropical Cyclone Ernie (1996)

B.S., Applied Mathematics

University of Florida, Gainesville, FL, 1987

Graduate Level Education in Geographic Information Systems

Pennsylvania State University (2006)

PROFESSIONAL AFFILIATIONS

Member of the American Meteorological Society, Boston MA