Qualifications Summary

- Preparation, calibration, and maintenance of oceanographic and land-based meteorological monitoring equipment
- Assembly, deployment, and recovery of ADCP systems
- Research at sea for extended periods of time on both small boats and large vessels
- Experience in quality control and analysis of real-time oceanographic data
- Experience with Sutron Xpert, Sutron 9210, Sutron 9000, and Vitel data collection platforms
- Software expertise: Aquapro, Procomm, SonUtils, X-CTU, HTML, SigmaPlot, Microsoft Office
- Computer hardware installation and troubleshooting
- Excellent technical writing and communication skills

DANIEL R. WEIRAUCH, M.S.

Field Oceanographer

Fields of Expertise

Preparation, installation, and maintenance of real-time monitoring systems, including the deployment of Acoustic Doppler Current Profilers (ADCPs) and other meteorological equipment. Configuration and installation of associated data and communication platforms. Regular quality-control of data for all stations in the Delaware River and Bay and Chesapeake Bay PORTS systems. Experience with computer programming, hardware installation, networking, and electronic device troubleshooting.

Higher Education

M.S., Marine Studies-University of Delaware (2007)
B.A., Geosciences-Pennsylvania State University (2004)

Employment History

2008-Present	Woods Hole Group, Field Oceanographer
2005-2007	University of Delaware, Research Assistant
2004-2005	Event Network, Data Entry Specialist
2003	Pennsylvania State University, Lab Assistant

Key Projects

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Delaware River & Bay, DE – Field Oceanographer
Serve as PORTS technical assistant to Local Operator, Clinton Hare, and Delaware Field Office. Assist with technical support and reporting, including field support for routine operation and maintenance and emergency service visits.

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Chesapeake Bay, MD – Field Oceanographer
Serve as PORTS technical assistant to Local Operator, Clinton Hare, and Delaware Field Office. Assist with technical support and reporting, including field support for routine operation and maintenance and emergency service visits.

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), New York/New Jersey Harbor, NY – Field Oceanographer
Serve as PORTS technical assistant to Project Manager, Robert Catalano, and Delaware Field Office. Assist on an as needed basis with technical support and reporting, including field support for routine operation and maintenance activities, annual inspection, and emergency service.

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), National Water Level Observation Network (NWLON), Category 3 Hurricane Hardened Single Pile Water Level & Meteorological Observing Stations (4), Gulf of Mexico – Field Oceanographer
Serve as technical assistant to Project Manager, Robert Catalano. Assist on an as needed basis with initial equipment installation, testing, technical support, and reporting tasks.

A High-Resolution Record of Climate Instability Spanning ~1.0 Myr across the Mid-Pleistocene Transition – Researcher
A study of millennial-scale variability using oxygen isotopes of planktonic foraminiferal species *Globigerinoides ruber*. Prepared over 500 samples for analysis, operated and maintained mass spectrometer, analyzed dataset using spectral, wavelet, and other statistical techniques.