



Thomas J. Allen, A.A.
Marine Technician

Expertise

Specializing in the installation, support and maintenance of monitoring equipment in industrial and oceanographic settings, including NOAA PORTS water level stations and the array of sensors for measuring meteorological and oceanographic data. System level and component level electronic circuit troubleshooting and repair, malfunction trend analysis, and quality control inspection.

Education

- A.A., Computer Engineering – 2007 Delaware Technical & Community College
- A.A., Computer Network Engineering – 2007 Delaware Technical & Community College
- A.A., Electronics Engineering - 2006 Delaware Technical & Community College
- A.A., Avionics Applied Science – 1988 Community College of the Air Force

Qualification Summary

- 31 years of experience operating and maintaining electronics, computer systems, and data communications equipment
- Nine years of experience in Quality Assurance/Control inspection, planning, implementation, and analysis
- Nine years of experience with real-time oceanographic and meteorological measurement system installation, operation, and maintenance
- Nine years of experience with Sutron Xpert and Sutron 9210 data collection platforms
- Nine years of experience with Sontek side/bottom mount and Nortek buoy mounted acoustic current profilers
- Possesses strong writing, verbal communication, and organizational skills
- Experienced with programming languages: BASIC, Pascal, Atlas, Assembly, Fortran, HTML, C++

Work Experience

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| 2007-Present | Marine Technician, Woods Hole Group, Inc. |
| 1994-1998 | Assistant Avionics Flight Chief, United States Air Force |
| 1989-1993 | F-15 Avionics Shop Chief, United States Air Force |
| 1986-1988 | Chief Inspector, Quality Assurance Division, United States Air Force |
| 1974-1986 | Avionics and Computerized Test Station Technician, United States Air Force |

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 – Marine Technician

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation and maintenance activities, annual inspections, and emergency service. Served as the primary team member for the upgrade and relocation of the Bridesburg water level system, including pre-deployment equipment testing, assembly and configuration, and installation of upgraded systems.

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 – Marine Technician

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation and maintenance activities and emergency service. Served as the primary team member for the upgrading of the three NOAA air gap systems that are part of Chesapeake Bay PORTS network, including pre-deployment equipment testing, assembly and configuration, and installation of upgraded systems.

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 – Marine Technician

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, annual inspections, and emergency service.

Jacksonville Marine Transportation Exchange, Physical Oceanographic Real-Time Systems (PORTS), Jacksonville – Marine Technician

Serve as technical assistant to Project Manager, Clinton Hare. Assisted with initial equipment installation, testing, technical support, and reporting tasks. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, annual inspections, and emergency service.

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Lake Charles, LA – Marine Technician

Served as technical assistant to Project Manager, Robert Catalano. Assisted with initial equipment installation, testing, technical support, and reporting tasks. Assisted on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, annual inspections, 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 – Marine Technician

Served as technical assistant to Project Manager, Robert Catalano. Assisted on an as-needed basis with initial equipment installation, testing, technical support, and reporting tasks.

Key Projects (continued)

Kinder Morgan, Money Point Terminal, VA – Marine Technician

Assisted Project Manager, Clinton Hare, in the design and installation of a wind monitoring system linked to visual and audial alarms to meet permitting requirements for offloading fine grain products. Primary tasks included assisting with the design, testing, and installation of system.

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Charleston Harbor, SC – Marine Technician

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, annual inspections, and emergency service.

Dual Wind Monitoring System on the USCG VTS Mariners Tower, USACE NY and NY/NJ Port Authority, Staten Island, NY – Marine Technician

Serve as technical assistant to Project Manager, Clinton Hare. Assisted with initial equipment installation, testing, technical support, and reporting tasks. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, annual inspections, and emergency service.