R/V AORA

UK Fisheries Research Vessel – found for sale online
Timeline - Milestones

- Identified RV AORA for sale late Dec 2016
- Visited / inspected RV AORA – Mar 2017
- Vessel Purchased – 8 Aug 2017 - $1.07M
- Shipyard Contract – major maintenance, some modifications – complete 5 Oct 2017
- Load Rachel Carson in Rotterdam for transport to US – 28 Oct 2017
- Arrive West Palm Beach, FL – 11 Nov 2017
- Rachel Carson moored in Ft. Pierce, FL awaiting next load/transport
- Load Rachel Carson on next transport ship – 30 Nov 2017
- Arrive Victoria, BC 25 Dec 2017
- Move Rachel Carson to UW 28 Dec 2017
- Jan-Apr 2018 – prep for science, develop processes /procedures
- Apr 2018 – enter service, retire R/V Barnes
  - First cruise – 7-11 April

4/11/2018
Drydocked at MacDuff Shipyard - Fraserborough, Scotland

Onloading RC on to M/V Transporter – Rotterdam, NL
Shipyard Work
MacDuff Shipyard, Fraserborough, Scotland

- Engine maintenance
- Harbor Generator engine replacement
- Electrical system repairs
- Battery bank replacements
- Stern Bulwark removal
- A-frame cross beam removal
- Move crane / winch controls
- Hydraulic system maintenance (inc. fitting/piping renewals)
- Stateroom modifications (incr. berthing from 9 to 13)
- Drydock Inspection – shafts, rudders, through hull fittings
- Painting touch up & top coat plus full blast/paint for aft end of ship

4/11/2018
Rachel Carson Prep for Science Ops
since arrival at UW

• Summary of what’s been accomplished since RC arrival at UW
  – Improved egress from lower berthing
  – Installed new Engine Room CO2 fire fighting system
  – Hydraulic controls (winches, crane) upgraded including addition of wireless controls
  – Cross decked winches from Barnes to Carson
  – Completed Gantry Modifications
  – Added 115V 60 Hz power for labs & Pilothouse
  – Completed important Engine Maintenance
  – Replaced Port Generator control
  – Added fire extinguishing system for Hydraulic Space
– Replaced stern tube cooling failing piping/fittings
– Completed major maintenance on watertight closures
– Added 2nd life raft – now 28 person capacity
– Cross decked CTD system from Barnes
– Added Rosepoint electronic charting
– Added SCS
– Verified Data network
– Added VHF radio & multiple remotes
– Installed met sensors & integrated into data system
– Got ES-60 & EK-60 working
– US Coast Guard inspection
Ready for science!

Near term priorities:
• Gain experience & determine best practices
• Get the word out – need more users!!
• ID & prioritize needed improvements
• Complete inspection – join UNOLS fleet
• Raise funds for more upgrades
The Old and the New
First Science Cruise
- Ocean Acidification in Puget Sound (Dr. Jan Newton)

“I'm very impressed by the ship! .... Frankly, I sort of fell in crush with the ship. I know its early, but I'm so very pleased. “
Getting right to work doing science