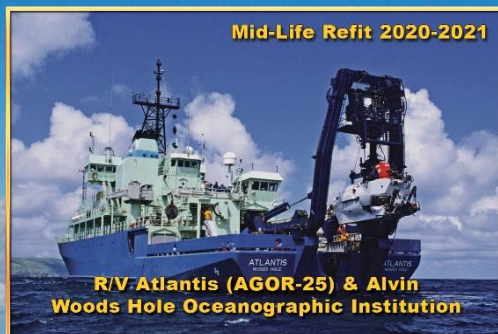
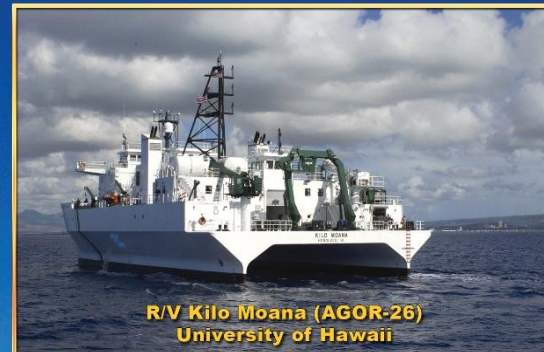
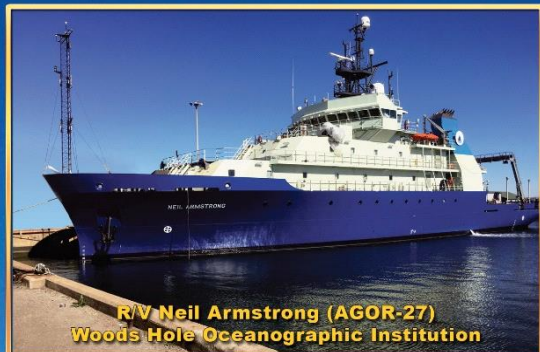
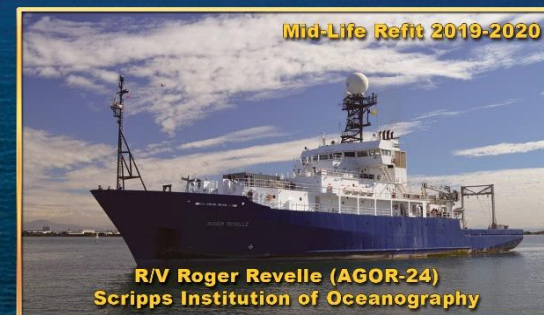
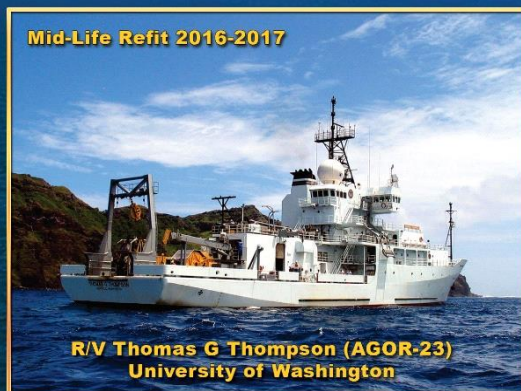
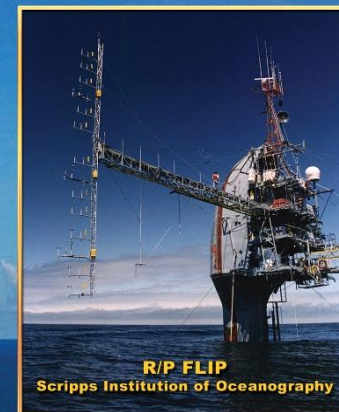


NAVY VESSELS OF THE U.S. ACADEMIC RESEARCH FLEET

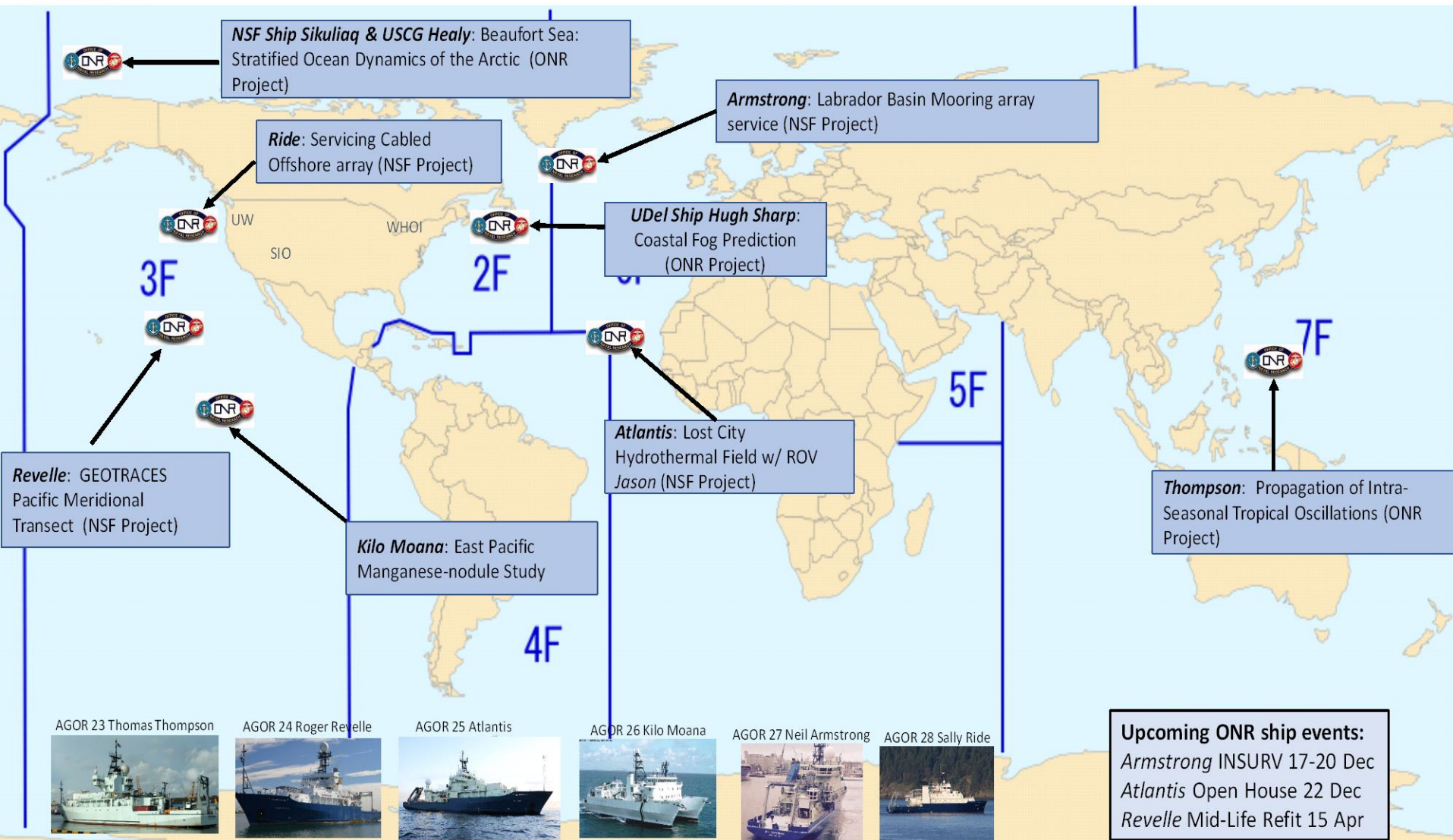


- **Global reach - 2-year missions**
- **Ships operate 280-300 days/year**
- **Science teams rotate to ship for 18-25 day projects**
- **Daily operations costs paid by research agency (e.g., National Science Foundation, Navy, NOAA, USGS, DOE)**
- **Crewed by professional mariners and university employees**





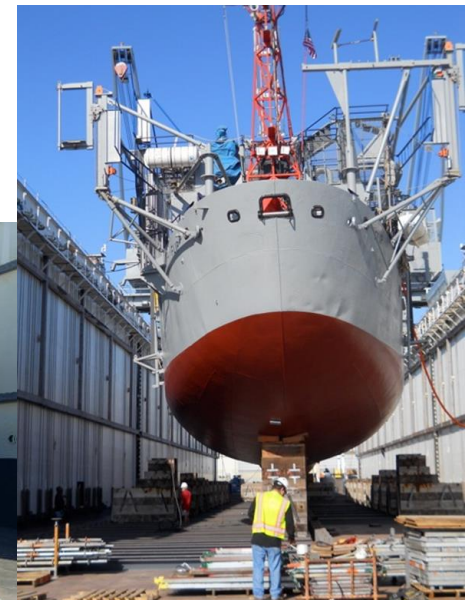
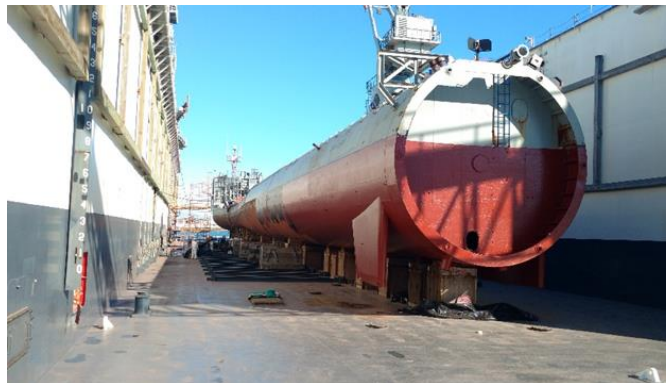
Ongoing ONR Oceanographic Research – *Global Reach*





2018 - The Year in Review

- ONR Research: 473 days on ARF, Alliance and Healy
 - Major ONR Projects in the Indian Ocean, Western Pacific, Arctic, North Atlantic and Mediterranean
 - Philippine MSR permit issue
- ONR Research Vessels: 2,687 days at sea
 - Inspections: Kilo Mona, Armstrong
 - Shipyards: Revelle, FLIP
- Alvin : 123 dives
- FLIP: 0





2019 – The Year Ahead

- ONR Research: 422 days on ARF, Alliance and Healy
 - Major projects: Indian Ocean, Western Pacific, Arctic, North Atlantic and Mediterranean
- ONR Research Vessels: 1,437 (Revelle – 86)
 - Inspections: Sally Ride and Thompson
 - Shipyards: Atlantis, Ride and Revelle (mid-life)
- Alvin: 55 dives
- FLIP: nothing planned at this time



Outlook

- FY19 Defense Appropriation
 - Signed and delivered!
- Light at the End of the Tunnel
 - FY20 Research Facilities budget increase
- Task Force Oceanography
 - Ocean science funding increase