NOAA Office of Marine & Aviation Operations

2015 RVOC Meeting
Value to NOAA & the Nation

Environmental Intelligence
- Nautical Chart Data/DTN
- Fish Stock Assessments
- Marine Mammal Surveys
- Biological Sampling
- Ecosystems Research
- Habitat & Coral Reef Mapping
- Coastal Monitoring & Oceanographic Buoys
- Ocean Exploration
NOAA’s Ships

Office of Marine and Aviation Operations
NOAA Marine Centers

MOC-Pacific

Newport, OR

MOC-Pacific Islands

Honolulu, HI

MOC-Atlantic

Norfolk, VA
NOAA Fleet Status

FY15 Planned: 3,135 days at sea, accomplished 698 DAS by end of March

- *Ronald H. Brown* is u/w on CLIVAR P16N then operating in Gulf of Alaska & Arctic
- *Okeanos Explorer* conducting Tropical exploration then transitioning to equatorial Pacific work & NWHI Exploration
- NOAA ships *Fairweather* & *Rainier* & USCG cutter *Healy* are coordinating transits to/from the Arctic
- Reuben Lasker delayed start of ops due to power quality issue; MMC/Teco/Rockwell solution to install active filters
NOAA Funded UNOLS charters

- NTAS/ MOVE, PNE, WBTS Abaco-Endeavor
- TAO 95W/110W & NeMO Vents-Tommy Thompson
- U.S. ECS Mapping- Langseth & KiloMoana
- Sea Scallop Survey- Sharp
- CalCOFI/ CCE- New Horizon/Oceanus
- SEFIS- Savannah
- WBTS/ SFER- Walton Smith
- NOAA OE grants- Pelican

NOAA Funded days by ship class

- CY 2013- 227 Days
- CY 2014- 343 Days
- CY 2015- 428 Days
NOAA Fleet Scheduling

HQ & FWG develop initial draft Presidents Budget Fleet Allocation Plan (FAP)

Ships, Centers, HQ & FWG finalize Pres Bud FAP for signing in July. Ships develop detailed schedules.

Develop CR FAP as needed. Ships, Centers, HQ & FWG develop draft out year FAP for planning purposes

Ships & Centers provide Fleet Working Group (FWG) with list of executable projects
Fleet Safety

- Fleet Inspection standard- CFR Subchapter U
- Maintain COI’s after new construction- 2 ships
- Marine Operations SMS Implementation
- Shipboard safety stand downs
- Fleet wide training- crane rigging, fall protection, JJ Keller safety culture
Workplace Improvement Cards

- Improve Safety Culture through behavioral change
- Constant reminder for Top 10 causes of accidents
- Atmosphere of sharing without fear of speaking up for safety
- Foster employee involvement
Lessons Learned

Sharing Information/ Industry best practices

- Increasing near miss reports
- Monthly review and summary sent to all commands
- Distributing Lessons Learned with Corrective Actions
- Employee involvement in prevention
People, equipment, and procedures remain priority for environmental compliance

**PEOPLE:**
- ECO Workshop: 4-day training for Shipboard Enviro Compliance Officers
  - 22 people trained in FY15; [+65 total]; UNOL’s personnel invited
- HAZWOPER/Spill Training: 1-3 day training
  - 120 people trained in FY15 [+400 total]

**EQUIPMENT:**
- Oil to sea interfaces: 13 systems (40%) (stern tube; etc.) changed to EAL
- LED: 75% of fleet using LEDs (T8's; floods; nav lights; battle lanterns)
- BW treatment: preferred systems ID'd; extension requested; planned in FY17

**PROCEDURES:**
- Confined Space Entry: rollout & training now; 5 ships (33%) compliant
- Mission HAZMAT procedure
- HAZWaste Management procedure
Simulations with MITAGS - PMI

NOAA Ship Models

- FSV Class
- TAGOS Class
- RAINIER – FAIRWEATHER
- RONALD BROWN
- NANCY FOSTER

Newport Oregon Port Model

- Safety Margin Study 2011
- GO - NO GO Procedures
- Goal: 5 simulation classes/ year
Questions?
SMS Manual
- Overview of the entire SMS structure

Continuous Improvement
- Complete Plan-Do-Check-Act Cycle
- Learn from what happened, plan for the next time

Safe Ship Operations
- Ship-use & shore generated SOP’s
- Ship-use, ship-generated SSI’s
- Document Management System accessible

Environmental Pollution Prevention
- Environmental Management System
- Fulfills SMS need to provide Pollution Prevention Policy