NOAA’s Ship and Aircraft Support
Office of Marine and Aviation Operations (OMAO)

University-National Oceanographic Laboratory System (UNOLS)
Research Vessel Operator’s Committee Meeting

Menominee, MI   24-26 April, 2012
Overview

- Fleet Overview
- Vessel Operations
- New Ships
- Joint NOAA/UNOLS Shipboard Tech. Training
- Greening Efforts
- Environmental Compliance Officer Training
- Collaborative Opportunities
NOAA's Office of Marine and Aviation Operations (OMAO)

18 Ships
10 Homeports

MOC-PACIFIC
SEATTLE, WA
(3)

MOC-ATLANTIC
NORFOLK, VA
(1)

KODIAK, AK (1)

KETCHikan, AK (1)

Fairweather

Bell M. Shimada

McArthur II

Hi'ialakai

Oscar Elton Sette

Ka'imimoana

Oregon Ii

Pisces

Gordon Gunter

Okeanos Explorer

NEW CASTLE, NH (1)

DAVISVILLE, RI (1)

Ferdinand R. Hassler

Henry B. Bigelow

Bell M. Shimada

Fairweather

McArthur II

Hi'ialakai

Oscar Elton Sette

Ka'imimoana

Oregon Ii

Pisces

Gordon Gunter

Okeanos Explorer

MISSIONS
Nautical Charting
Fisheries Research
Oceanographic Research
Coastal Monitoring
Ocean Exploration

Pearl Harbor (3)

Pascagoula (3)

Charleston (2)

Woods Hole (2)

Omaha Explorer

New Castle, NH (1)

Davisville, RI (1)

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Oregon Ii

Pisces

Gordon Gunter

Okeanos Explorer

NOAA Ships and Homeports in FY2012

18 Ships
10 Homeports

MOC-PACIFIC
SEATTLE, WA
(3)

MOC-ATLANTIC
NORFOLK, VA
(1)

KODIAK, AK (1)

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Pearl Harbor (3)

Pascagoula (3)

Charleston (2)

Woods Hole (2)

Okeanos Explorer

NOAA's Office of Marine and Aviation Operations (OMAO)
Marine Operations Centers - Pacific
Newport, Oregon

Pacific – Newport, OR
• Completed move July 2011
• 20-year Lease
• Supports 8 vessels

Atlantic – Norfolk, VA
• Major repair if bulkhead in 2011
• NOAA owned
• Supports 10 vessels
Vessel Operations

FY2012 Budget Approved

3033 Operating Days

17 Ships currently operating

4 Ships will be offline this year

- Delaware II
- Ka‘imimoana
- Miller Freeman
- McArthrur II
New Ships

FSV-6 Marinette, WI

Reuben Lasker

Ferdinand R. Hassler
Joint NOAA/UNOLS Technician Training

- 17-20 January 2012 Newport, OR
  - Develop baseline knowledge of data and sample collection
  - Coordinated by NOAA and UNOLS
  - First session - 4 days
  - 30 Attendees (14 NOAA, 16 UNOLS)

Subjects
- Electronics
- Seabird Electronics CTDs Functionality and Oceanography
- Sound Velocity and Acoustics
- Multibeam and Single-beam
- Sound Propagation in Water
- ADCP Operations
- SAMOS and Data Quality
- Met. Instruments at Sea
“Greening” Efforts

- Quarterly “Green Fleet” newsletter raising awareness of environmental impacts; focusing on ships and ship support
- Fleet is compliant with NPDES Vessel General Permit
- Introduced NOAA specific shipboard Environmental Compliance Officer (ECO) training
- Developing NOAA specific HAZWOPER training
- Review and revise all Environmental Management System administrative requirements
FY2012 Initiatives

- *Shimada* and *Pisces* purchasing a hybrid workboats, diesel + batteries
- *Thomas Jefferson* upgrades to lighting and HVAC as a result of energy audit
- Topside hydraulic hose and tube replacement on 4 ships
- Converted the *Okeanos Explorer* and *Oregon II* to biodegradable stern tube lubricant
- Fuel metering – Using Krill System for fuel metering on 3 ships
Krill Systems Fuel Management Dashboard

NOAA's Office of Marine and Aviation Operations (OMAO)
Held two 3-day sessions in winter 2011/2012
Covered topics including:

- ECO Duties
- NPDES Vessel General Permit
- Waste Water Management
- Hazard Communication
- HAZMAT
- MSDS Online
- Hazardous Waste
- Visiting Scientist Chemicals
- Air Pollution
- Oil Spill Management
- Solid Waste Management
- Human Exposure
Collaborative Opportunities

- Joint NOAA/UNOLS Technician Training
- Environmental Compliance Training (proposed)
- Scheduling (through UNOLS)
- Other Opportunities?