



UNOLS Report

to the
Marcus Langseth Science Oversight Committee

December 8, 2013





UNOLS Recent Events

- UNOLS is contributing to a National Academy of Sciences' Ocean Studies Board development of a Decadal Survey of Ocean Science 2015 report.

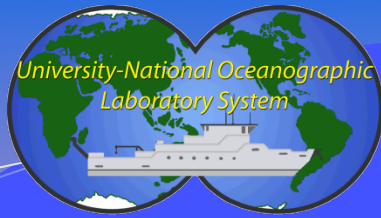
[/http://nas-sites.org/dsos2015/](http://nas-sites.org/dsos2015/)

- Ocean Sciences Conference- Honolulu Feb 23-28, 2014
UNOLS booth & Early Career Session on Sunday, Feb 23rd.
- Annette DeSilva- Deputy Executive Secretary
- RVOC Safety Orientation Film finished
- Sexual Harassment Prevention Training Film, released in June



UNOLS Recent Events, continued....

- Long Term Internship- UNOLS & MATE
- Nature Article and UNOLS Chair Article
- UNOLS Office finishing up Year 5 and start second term, May 1st, 2014

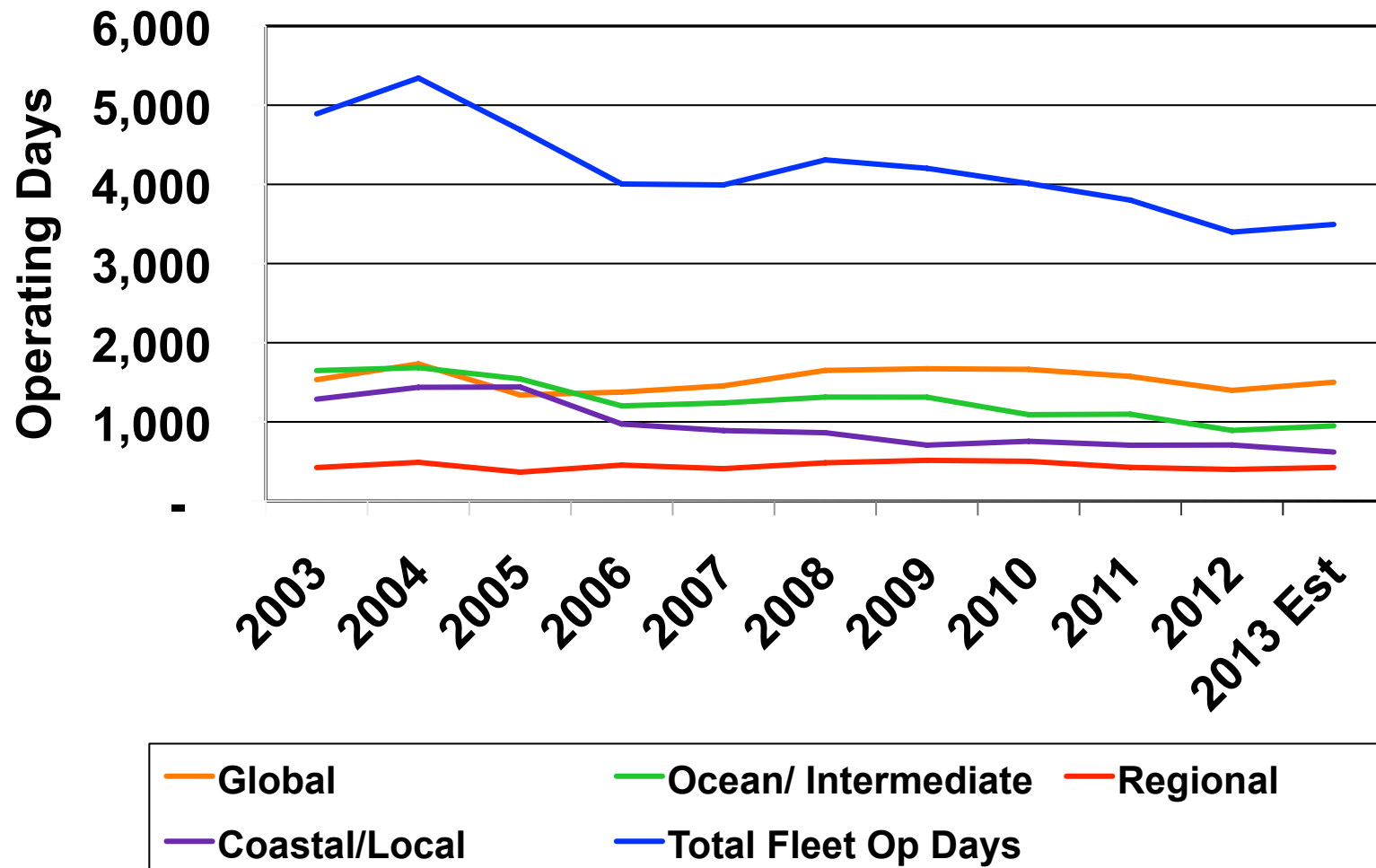


UNOLS Fleet Utilization

- 2013 Fleet Utilization 3,494 Operating Days
- 2014 Projections 3,262 Operating Days



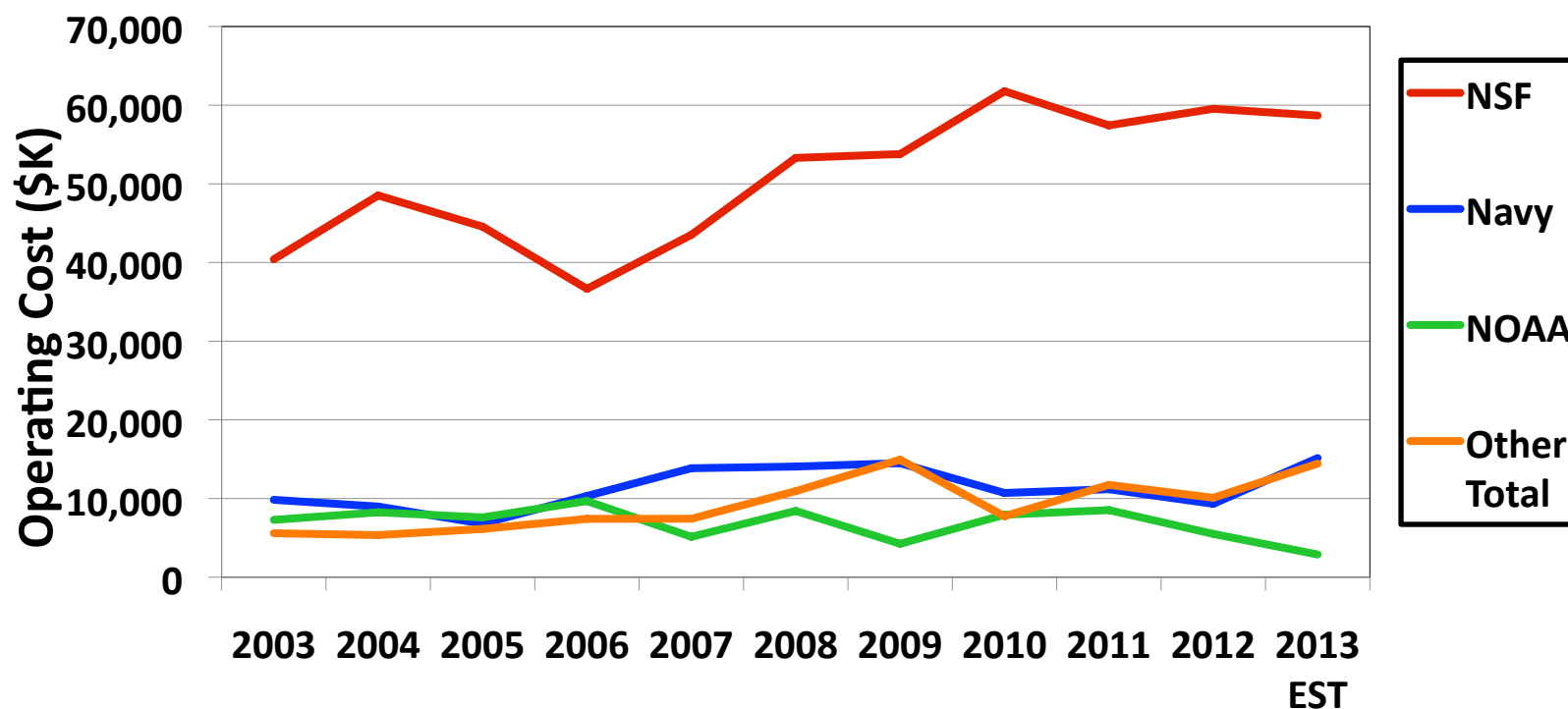
Fleet Utilization: 2003-2013





UNOLS Fleet Funding

Fleet Cost by Funding Source



Other Total = BOEM, USGS, EPA, DOE, NASA, ACOE, State, Private, Foreign, Other



Fleet Replacement

- Global Class R/V *Sikuliaq* will enter service in September of 2014
- *Knorr* and *Melville* are slated to retire in 2014.
- Navy is planning mid-life refits for Global vessels - *Thompson*, *Revelle*, and *Atlantis*
- Two new Ocean Class Research Vessels, *Neil Armstrong* and *Sally Ride* will be delivered in 2014 and 2015.







Ocean Class AGOR



Office of Naval Research



Key Characteristics:

- Hull Material Steel; Aluminum pilothouse
- Length 238 ft
- Beam (Max) 50 ft
- Draft 15 ft
- Displacement 3043 LT (Full Load)
- Sustained Speed 12 kts
- Range 10,545 nm
- Endurance 40 days
- Propulsion 4 x 1044 kW Diesels, 2 x 879 kW Electric
 Propulsion Motors, 2 x Controllable Pitch
 Propellers, Bow & Stern Thrusters
- Accommodations 20 crew, 24 science berths
- ABS Classed/ABS Designed to ABS ✕A1 Circle E, ✕AMS and ✕ACCU,
 NIBS, Ice Class D0, USCG COI

Mission: Integrated, interdisciplinary, general purpose oceanographic research in coastal and deep ocean areas. Oceanographic sampling and data collection of surface, mid-water, sea floor, and sub-bottom parameters.

Quantity: Two (2)

User: Woods Hole Oceanographic Institution (AGOR 27), Scripps Institution of Oceanography (AGOR 28)

Ship Names: R/V *Neil Armstrong* (AGOR 27)
 R/V *Sally Ride* (AGOR 28)

Builder: Dakota Creek Industries, Inc.

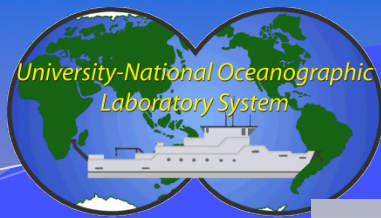
Contract: FFP

Contract Value: \$177.4M

ROM Unit Cost: \$74.1 M (lead), \$71.0M (follow)

Key Events:

- | | Date: |
|------------------------------------|----------|
| • Phase I Contract Award | Jan 10 |
| • Milestone B/C | Sep 11 |
| • Phase II Contract Award | Oct 11 |
| • Follow Ship Award | Feb 12 |
| • Start Construction (Lead Ship) | Jun 12 |
| • Start Construction (Follow Ship) | Jul 12 |
| • Launch 1 st Ship | ~ Feb 14 |
| • Launch 2 nd Ship | ~ Aug 14 |
| • Delivery (Lead Ship) | Oct 14 |
| • Delivery (Follow Ship) | Apr 15 |



3-5 December is CDR. If that goes well then proceed to the Preliminary Design Phase with a review in August 2014. Assuming all is well, in March of 2015 NSF will make a request to Congress for FY17 MREFC funds. Number of vessels will be based on projected science utilization and availability of funds. Operator selection is planned for mid-2017 once the number of vessels is known.



ONR Report

- ONR's six ships all operating in good order
- Op days- 601 in 2013 & 400 days in 2014 at present
- Mid-life refit planned for R/V Thompson to begin November 2014
- Ocean Class ships on schedule, delivery late 2014 & early 2015
- Alvin recertified to 3700 meters, will test to 4500 meters in 2014.



Thank you!

