Situation Update- ONR Ships

- Operations: >1400 days in 2014
  - ~400 days Navy-sponsored research (all UNOLS)
  - KNORR- North Atlantic – OOI – Iceland
  - MELVILLE – EastPac
  - THOMPSON – West/SoutPac - OOI
  - REVELLE- WestPac and IO
  - ATLANTIS- Gulf of Mexico – Astoria
  - KILO MOANA – CentPac
- Shipyards: KNORR/MELVILLE
- Inspections: THOMPSON (INSURV)
- Repairs/Upgrades: KNORR- THOMPSON - K/M
- Projects: New Construction/Mid-Life Refit
- Retirements: KNORR/MELVILLE
ONR OCEANOGRAPHIC RESEARCH VESSELS
--retiring in 2014 and available for sale/transfer--

AGOR 14: MELVILLE
Current Operator: Scripps Institution of Oceanography
Delivered - 1969
Mid-Life Upgrade - 1993
Last INSURV/Shipyard – 2010/2014
Retirement – October 2014
http://shipsked.ucsd.edu/ships/melville/

AGOR 15: KNORR
Current Operator: Woods Hole Oceanographic Institution
Delivered - 1970
Mid-Life Upgrade - 1993
Last INSURV/Shipyard – 2009/2014
Retirement- December 2014
Other Ocean Research Assets

- CIRPAS (Flight facility at NPS)
  - Affiliated with SCOAR
- Iridium and Argos Satellite Services:
  - Supporting research (UUVs, gliders, buoys)
ALVIN

- Navy-owned, but rarely used by Navy for research
  - Operated by WHOI from ONR R/V ATLANTIS
  - NSF supports about 125-150 dives/year
  - ONR sponsors one engineering dive/year
  - Annual NAVSEA surveys to sustain diving certification
  - Engineering changes
  - ONR is Navy’s program manager

- ALVIN Upgrade Program
  - NSF funded: to increase depth capability to 6500 meters
  - NSF desires continued NAVSEA certification
    - NSF will fund
  - Continued Navy ownership
DSV ALVIN Upgrade Program

Program to upgrade the capabilities of ALVIN for future deep submergence science sponsored by the National Science Foundation

• New titanium ALVIN personnel sphere
  • Designed by Southwest Research Institute
  • Tested to 6500 meters depth (12,000 psi) at Northrop-Grumman test facility in Annapolis June 2012
  • Re-certification and return to service Fall 2013
FLIP

- 51 years of service to Navy/ONR research
  - Designed, Built and Operated by Scripps-MPL
  - Transitioning to Scripps MARFAC mgmnt 2015

- Very Good material condition (ABS surveys)
  - Tri-annual Dry-docking for hull cleaning and painting

- Usage: leveling to about 2-3 weeks/yr
  - Always seeking new customers
• Sub-committee on Ocean Science and Technology
  ◦ National Ocean Policy Implementation Plan
• Federal Agencies:
  ◦ NSF and NOAA Co-Chairs
  ◦ NSF, Navy, NOAA, USCG, EPA, BOEM
  ◦ UNOLS
• Efforts:
  ◦ Fleet Status Report 2013
  ◦ Fleet Performance Metrics
  ◦ Fleet Scheduling Portal
Fun with FLIP