



# UNOLS Report DESSC Meeting

December 12, 2010



# UNOLS 2010 response to the Gulf of Mexico Oil Spill

- **274 days of UNOLS Ship Days**
- **\$277K in instrumentation/Additional Technician Support**
  - R/V *Pelican* - 36
  - R/V *Cape Hatteras* - 72
  - R/V *Walton Smith* - 62
  - R/V *Endeavor* - 25
  - R/V *Oceanus* -30 (with *Nereus*)
  - R/V *Atlantis* – 49 (with *Alvin*)
- **Future: “BP’s \$500 million GOM Research Initiative (GRI) to study the effects of the Deepwater Horizon incident and the potential associated impact on the environment and public health over a 10 year program.”**



# 2009/2010 Goals

- **Strengthen the Relationship between UNOLS and the Antarctic Research Programs**
  - Letter - Offer of Support from the UNOLS Council Regarding Ship Acquisition, Operation, and Oversight of Future Southern Ocean Research Vessels
  - Polar Refresh Vessel Science Mission Requirements (SMR) Refresh - UNOLS recently tasked to lead this effort
- **Greening the Fleet**
  - Design, construction, operation, life-cycle, recycle
  - Workshop is proposed



# Charge to the PRV Committee

- Review Science Mission Requirements (SMRs) from PRV Study completed in 2006
- Assess if the 2006 SMRs meet current and emerging needs for Polar Research
- Consult existing UNOLS SMRs for Ocean & Regional Class ships
- Develop a survey to gather feedback
- Hold community workshop (Feb/March)
- Prepare a Report for NSF



# Polar Research Vessel Committee: PRVC

Rob Dunbar/Stanford- Chair

Hugh Ducklow/MBL

Vernon Asper/USM

Carin Ashjian/WHOI

Larry Lawver/UTexas

Dale Chayes/LDEO

Doug Russell/UW

Dan Oliver/UAK

Maria Vernet/UCSD

Eugene Domack/Hamilton

Bruce Huber/LDEO

Craig Smith/UH



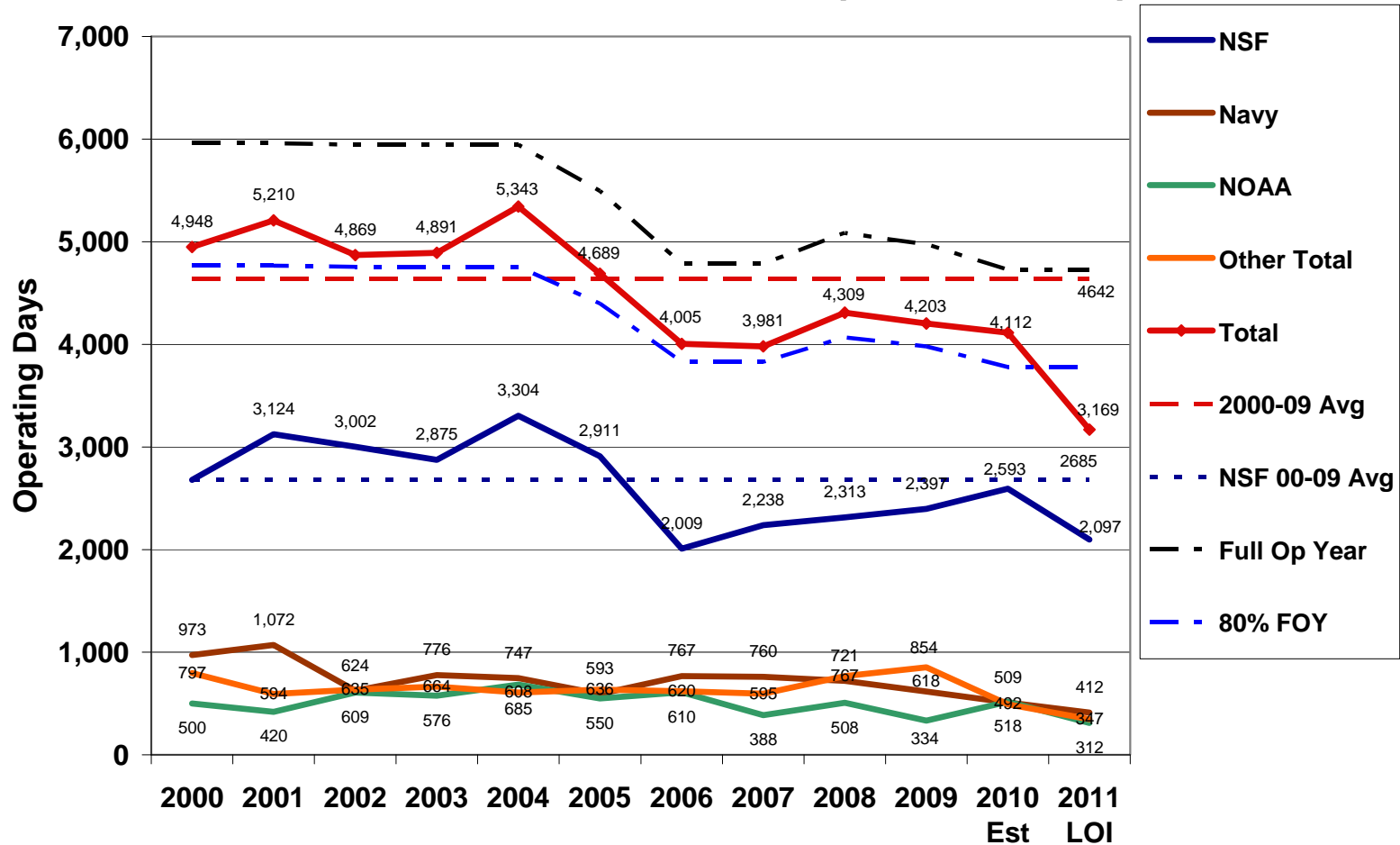
# New UNOLS Standing Committee: Ocean Observing Science Committee (OOSC)

- The OOSC is charged with providing advice from a science perspective on plans, access and use of NSF funded observatories.
- The OOSC will provide the science user perspective to NSF and to the project teams involved in developing, deploying and operating ocean observatories. (DESSC model)
- Members: Larry Atkinson- Chair- ODU
  - Emmanuel Boss- UMaine
  - Suzanne Carbotte-LDEO
  - Steve DiMarco-TAMU
  - Mary Jo Richardson-TAMU
  - Two positions open



# Fleet Utilization Trends

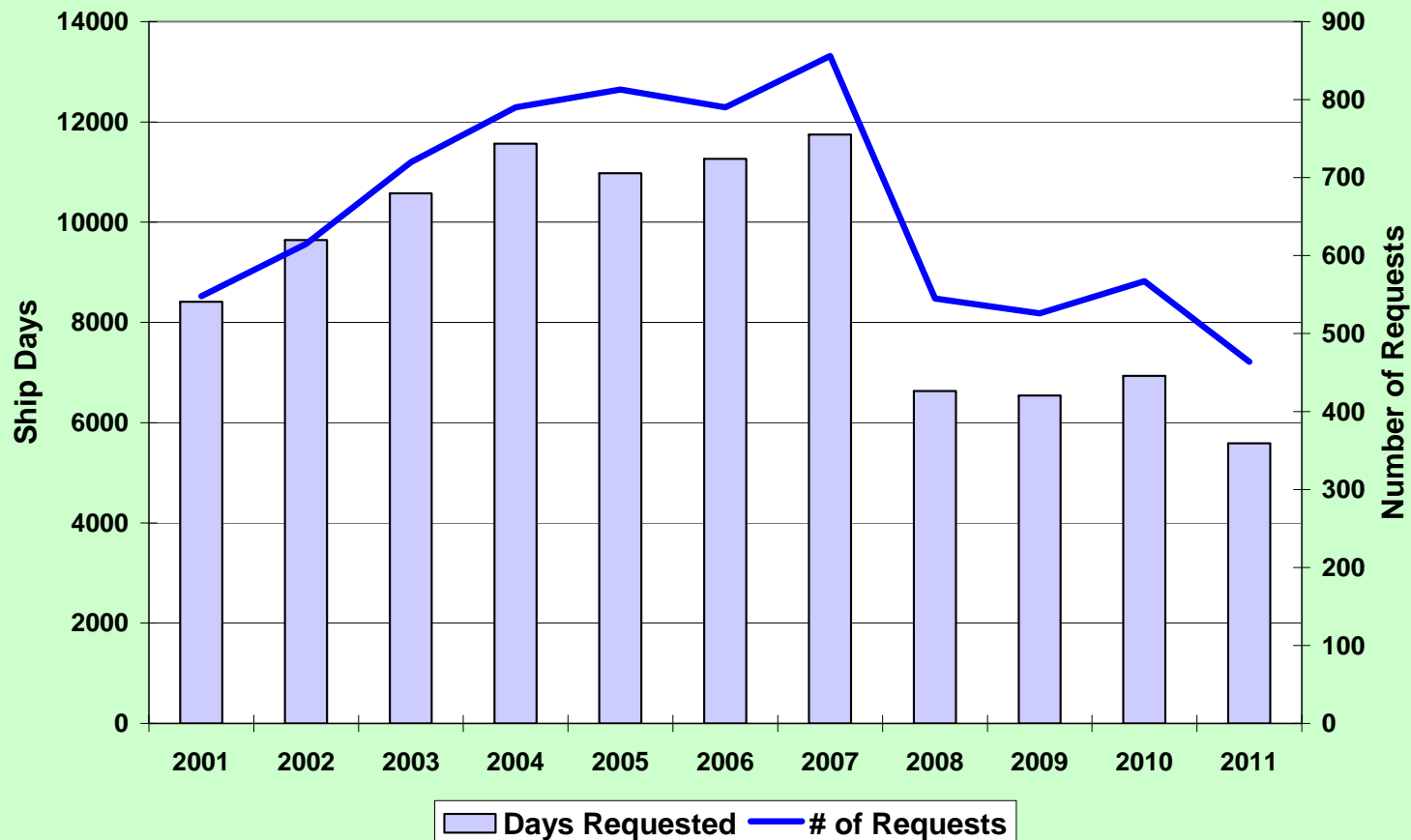
## UNOLS Fleet Utilization (2000 - 2011)





# Survey to Evaluate the Decline in Ship time demand

## Ship Time Request Demand







# 2010/2011 Goal - Explore Options for Establishment of a UNOLS Speaker Series

- Options to establish a speaker series will be explored to highlight UNOLS ships and oceanographic research and to serve as an outreach activity to non-UNOLS colleges and universities, with particular attention given to institutions with under-represented minorities in the marine sciences.
- As one option, the series could be introduced as a pilot program with a revolving set of speakers to determine if it is a worthwhile outreach activity for UNOLS.



# UNOLS Outreach Initiatives

- Proposed Chief Scientist Training Workshop
- UNOLS 101 Slide Presentation
- Volunteer Opportunities Webpage
- UNOLS Lobby Display
- UNOLS Traveling Poster
- Proposed UNOLS Lectureship Program



University of Delaware: Coast Day

**UNOLS Public Outreach Resources**  
<http://www.unols.org/info/outreach.html>



# UNOLS Fleet Renewal Projects

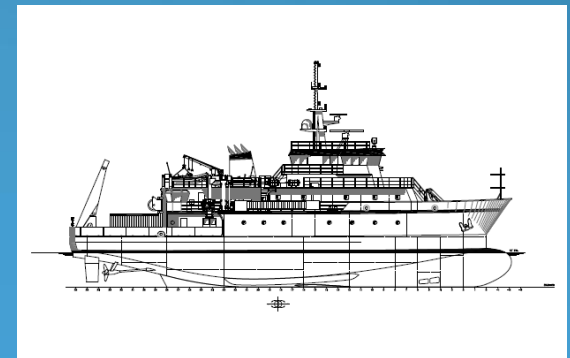
Ocean Class Research Vessels – Navy funded – 2 ships:

- Phase I: Preliminary/Contract Design – 27 Jan 2010
- Two Teams- Glostten & Marinette and Guido Perla & Dakota Creek
- Operator (May 2010) – WHOI and SIO
- Phase II: Detail Design and Construction - Award ~ FY 2011, Q4
- Deliveries: - FY 2014, FY 2015

Regional Class Research Vessel – NSF funded – up to 3 ships:

Status:

- Announcement of Intent to Issue Solicitation for Construction/Operation of RCRVs
- Schedule:
  - Release Solicitation - Jan 24, 2011
  - Proposals Due – May 2011
  - FDR and NSB authorization to obligate funds – not before Oct 2014





# UNOLS Fleet Renewal Projects

## R/V *Sikuliaq* – Alaska Region Research Vessel

- University of Alaska – Construction and Operations
- October 2008 Final Design Review
- December 2009 Shipyard contract with Marinette Marine Corporation
- Delivery, Sea trials, NSF Inspection - 2013





Thank you!



# Back - up





# Outlook for the Future in the Gulf Of Mexico

## BP and the Gulf of Mexico Alliance Announce Implementation

- BP's \$ 500 Million Independent Research Initiative
- Release Date: 29 September 2010- BP America Press Relations
- “BP's \$500 million GOM Research Initiative (GRI) to study the effects of the Deepwater Horizon incident and the potential associated impact on the environment and public health over a 10 year program.”



# Outlook for the Future in the Gulf Of Mexico

- The Gulf of Mexico Alliance will administer the GOM Research Initiative with the ability to execute contracts and provide the required program management support.
- Managed by a board comprised of scientists from academic institutions with peer-recognized credentials.
- Funds will be distributed using the practice of merit review by peer evaluation as described in the 2005 Report of the National Science Board (NSB-05-119)