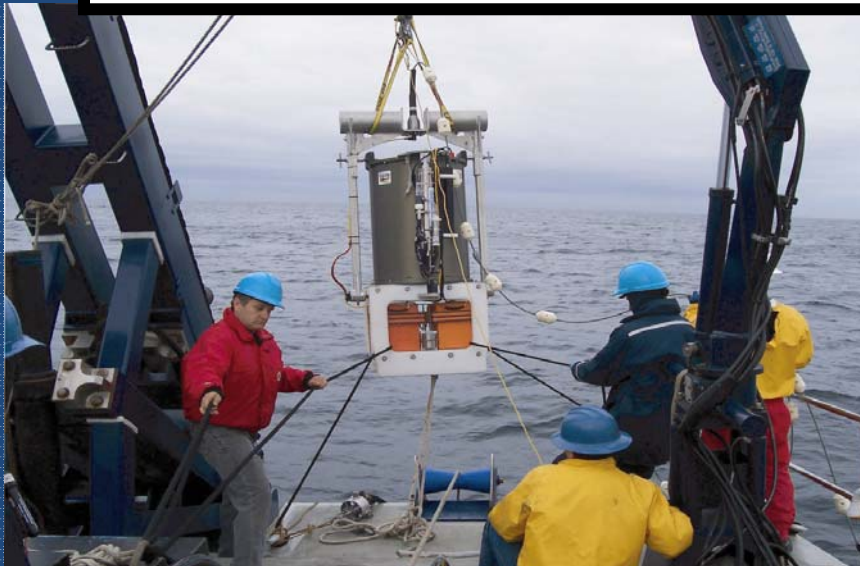


2010 RVTEC Meeting, Bermuda

NSF Report





FY 2011 Budget



- The NSF Appropriation for FY 2011 has not been passed. NSF is currently operating under a Continuing Resolution which runs through...
- In NSF's request for 2011, we've asked for an increase in OCE of 8.3%
- Pressures from the deficit will likely make for a very austere 2012 .
- *The New York Times*, November 3, 2010
Federal financing of science research, which has risen quickly since the Obama administration came to power, could fall back to pre-Obama levels if the incoming Republican leadership in the House of Representatives follows through on its list of campaign promises. . . . An analysis by the American Association for the Advancement of Science looked at what would happen if all of the agencies were cut to the 2008 amounts. The National Institutes of Health would lose \$2.9 billion, or 9 percent, of its research money. **The National Science Foundation would lose more than \$1 billion, or almost 19 percent, of its budget**, and the National Oceanic and Atmospheric Administration would lose \$324 million, or 34 percent.



Ocean Sciences FY 2011 Request

DIVISION OF OCEAN SCIENCES (OCE)

\$377,890,000
+\$28,970,000 / 8.3%

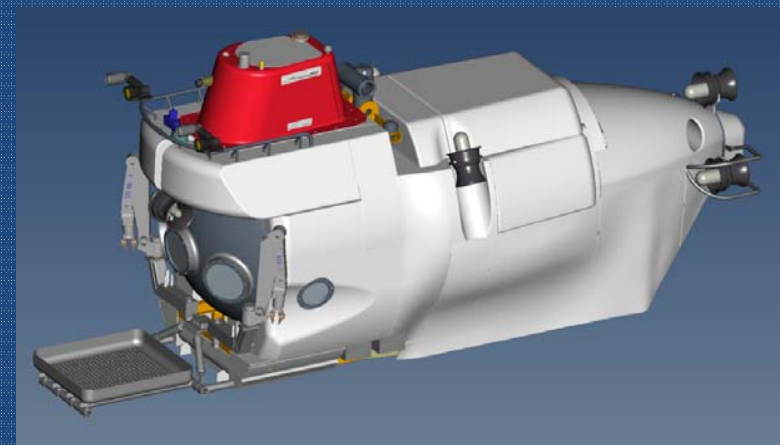
OCE Funding (Dollars in Millions)

	FY 2009	FY 2009	FY 2010	FY 2011	Change Over	
	Omnibus	ARRA			FY 2010	FY 2011
	Actual	Actual	Estimate	Request	Amount	Percent
OCE	\$330.51	\$114.00	\$348.92	\$377.89	\$28.97	8.3%
Research	144.21	63.21	181.32	188.87	7.55	4.2%
<i>Center for Coastal Margin Observation and Prediction</i>	4.00	-	4.00	4.00	-	-
Education	7.84	2.00	8.37	9.77	1.40	16.7%
Infrastructure	172.76	48.79	152.90	172.11	19.21	12.6%
<i>Academic Research Fleet</i>	87.31	18.00	78.00	75.00	-3.00	-3.8%
<i>Integrated Ocean Drilling Program</i>	47.95	25.00	43.40	46.41	3.01	6.9%
<i>Ocean Observatories Initiative</i>	17.84	-	16.50	27.50	11.00	66.7%



OCE Highlights – Integrative Programs Section

- **R/V Sikuliaq (formerly ARRV)**
 - Status – Construction start delayed (weight issue)
 - Cut Steel – **December 2010?**
 - Launch – **April 2012**
 - Begin Science Ops – **January 2014**
- **HOV Alvin Upgrade (formerly RHOV)**
 - Status – Final Design Review Completed 9/21-23
 - Sea Trials – **Late 2011**
 - Begin Science Ops – **2012**





Observations and Action Items

David Conover (Oct, 2010)

- Primary issues impacting OCE/NSF
 - Infrastructure vs. Science funding
 - Fleet renewal
 - Cross-cutting programs
 - Response to OPM Survey

Division of Ocean Sciences Percentage of Infrastructure FY10



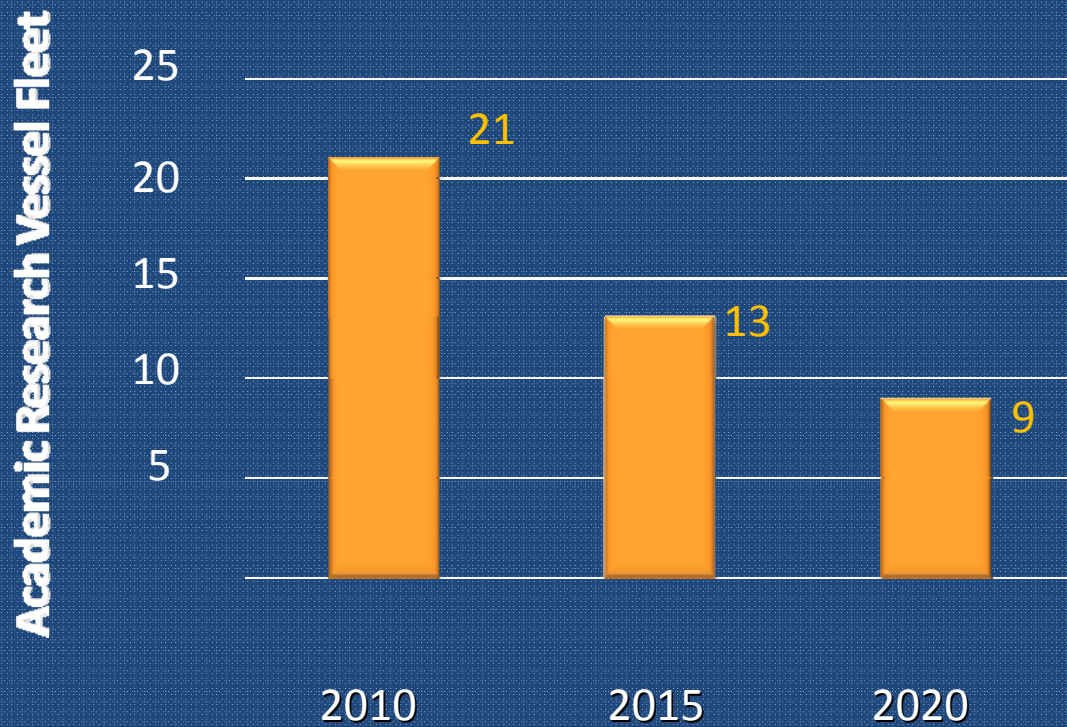
Infrastructure vs. Science

(Dollars in Millions)	FY 2010 Estimate	Infrastructure Subtotal	Percentage of Total
GEO	889.64	367.79	41%
AGS	259.80	125.70	48%
EAR	183.00	61.59	34%
OCE	348.92	152.90	44%
BIO	714.54	135.45	19%
CISE	618.83	30.60	5%
ENG	743.93	32.83	4%
MPS	1351.84	353.73	26%
SBE	255.25	43.56	17%
OCI	214.28	150.38	70%
OISE	47.83	0.10	0%
OPP	451.16	321.43	71%

ACGEO, Oct, 2010 : *Infrastructure/Research Balance: Infrastructure (IF) costs have averaged ~ 40% of the OCE budget for the last decade but is now at 44% and is estimated to increase in the next 3-5 years to ~ 48% or more as OOI and other IF costs occur. OCE is a very broad community, and tremendous infrastructure is necessary because of the inherent nature of ocean sciences research. The challenge will be to continue to ensure sufficient support for OCE research and education.*

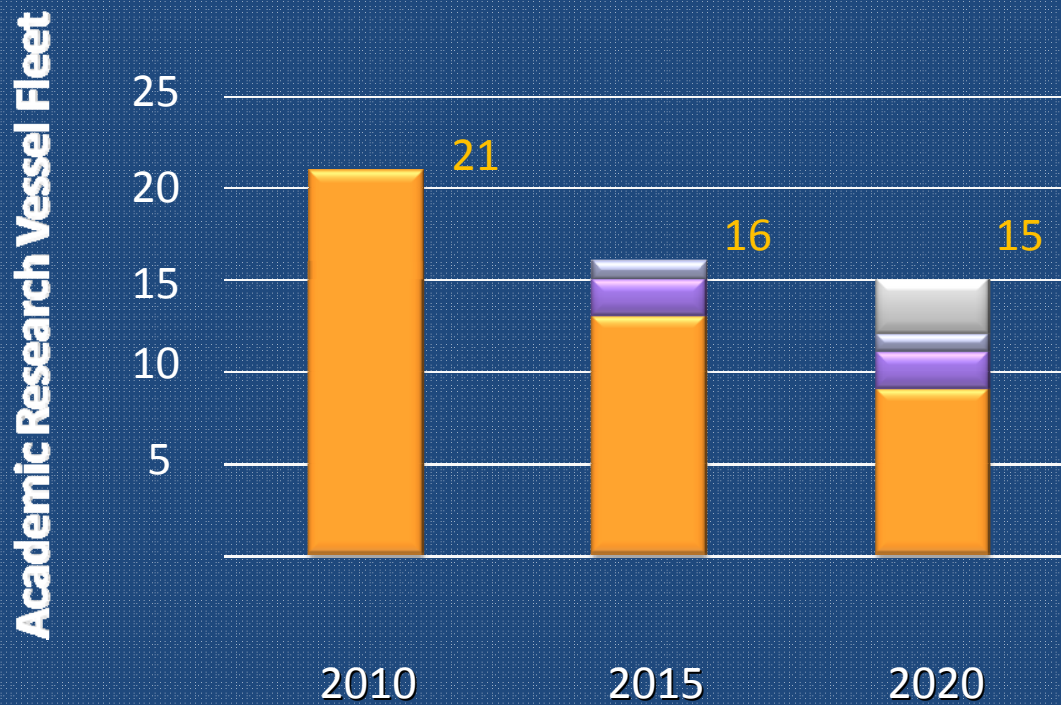
Fleet Renewal

Fleet Size – (w/o Federal Agency Investment)



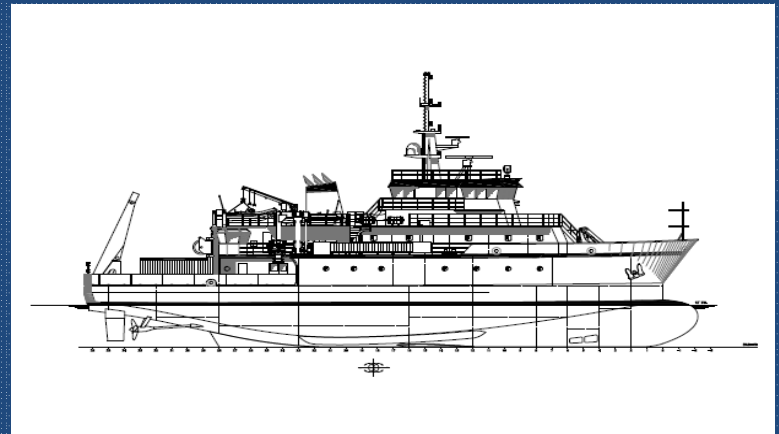
Fleet Renewal

Fleet Size – Ocean Class, SIKULIAQ & RCRV

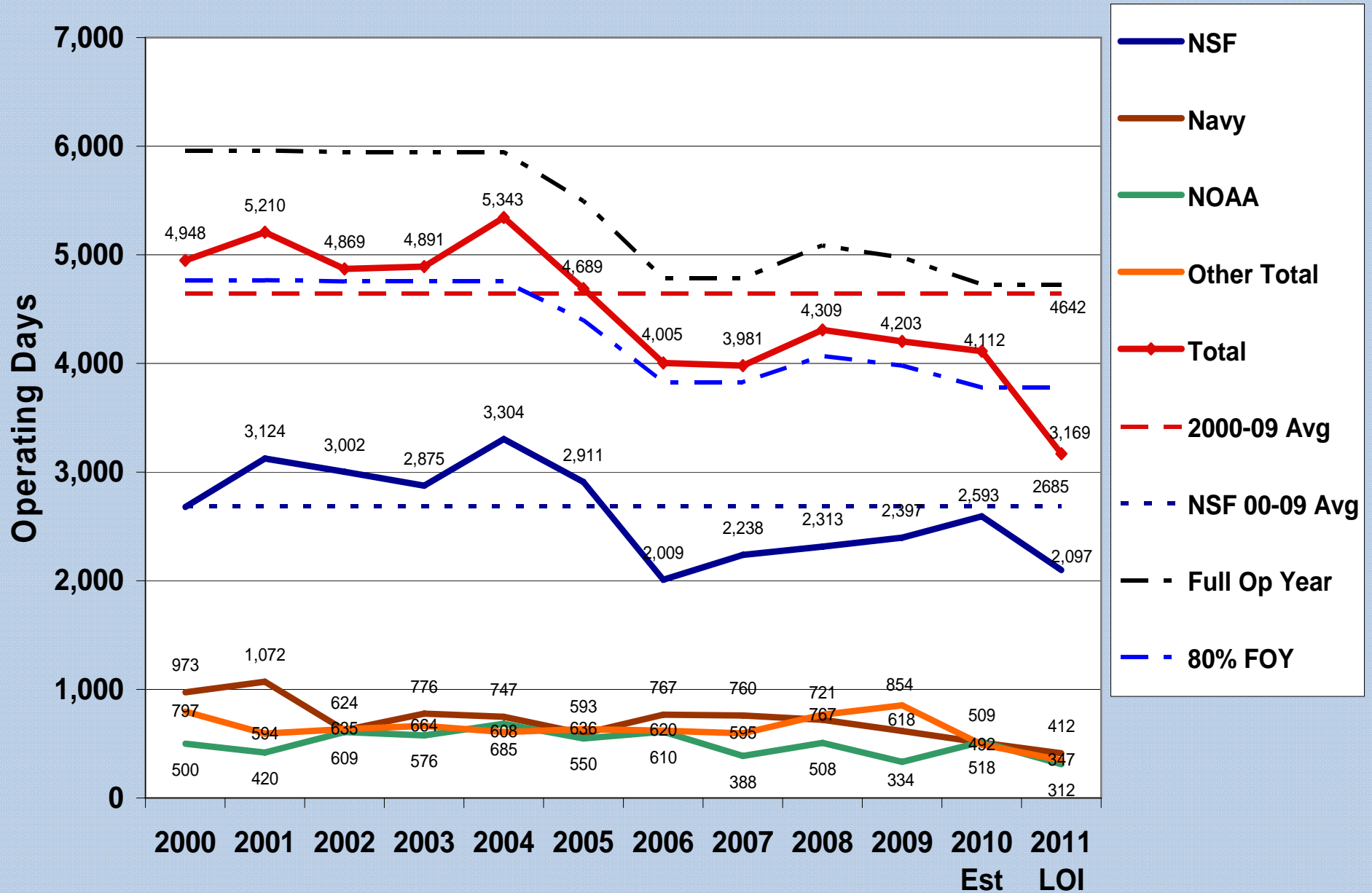


Regional Class Research Vessels (RCRV)

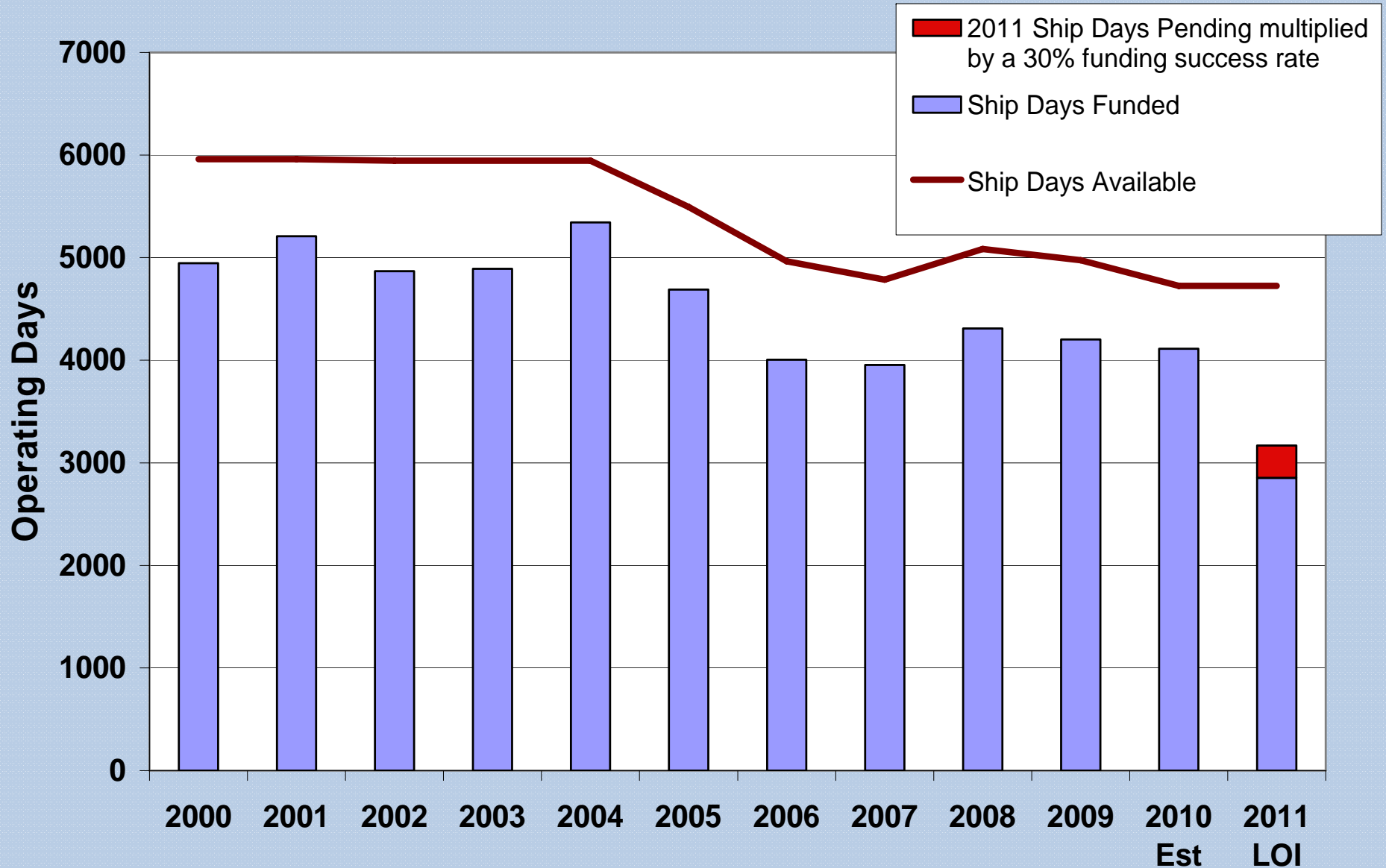
- Status – Investigating Funding Options:
 - For initial hull construction starting in FY15; three hulls total
- Project Readiness:
 - Competitive design development with NSF Panel down-select
 - Oct 2009
 - UNOLS Community input received - Sept 2010
 - Move forward with “ARRV-like” process (Solicitation drafted)
 - Phase I – “Project Refresh” including CDR/PDR & FDR (R&RA \$)
- Optimal Schedule:
 - Release Solicitation – Early 2011
 - Begin Construction – Mid-2016
 - Science Operations – Mid-2018



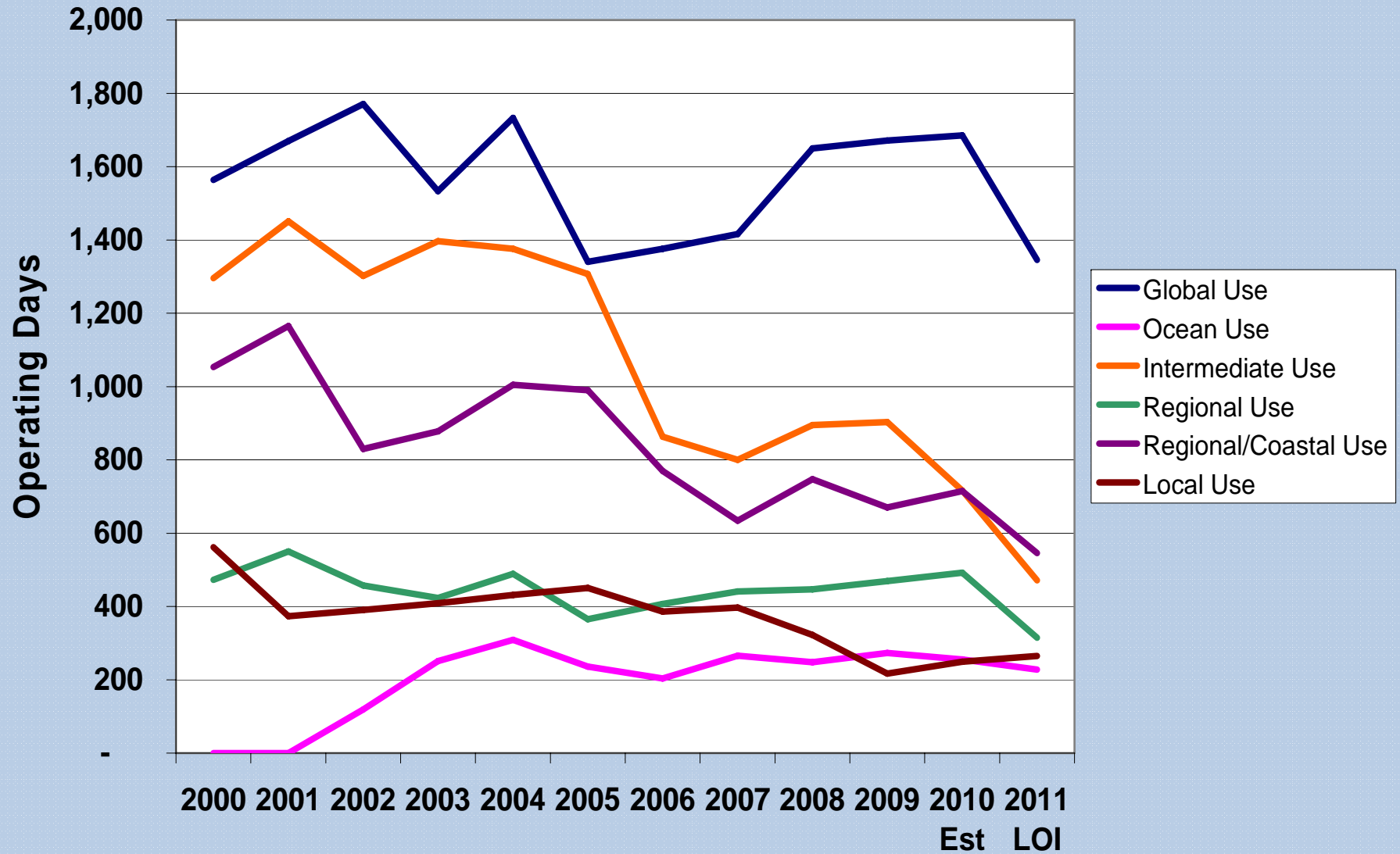
UNOLS Fleet Utilization (2000 - 2011)



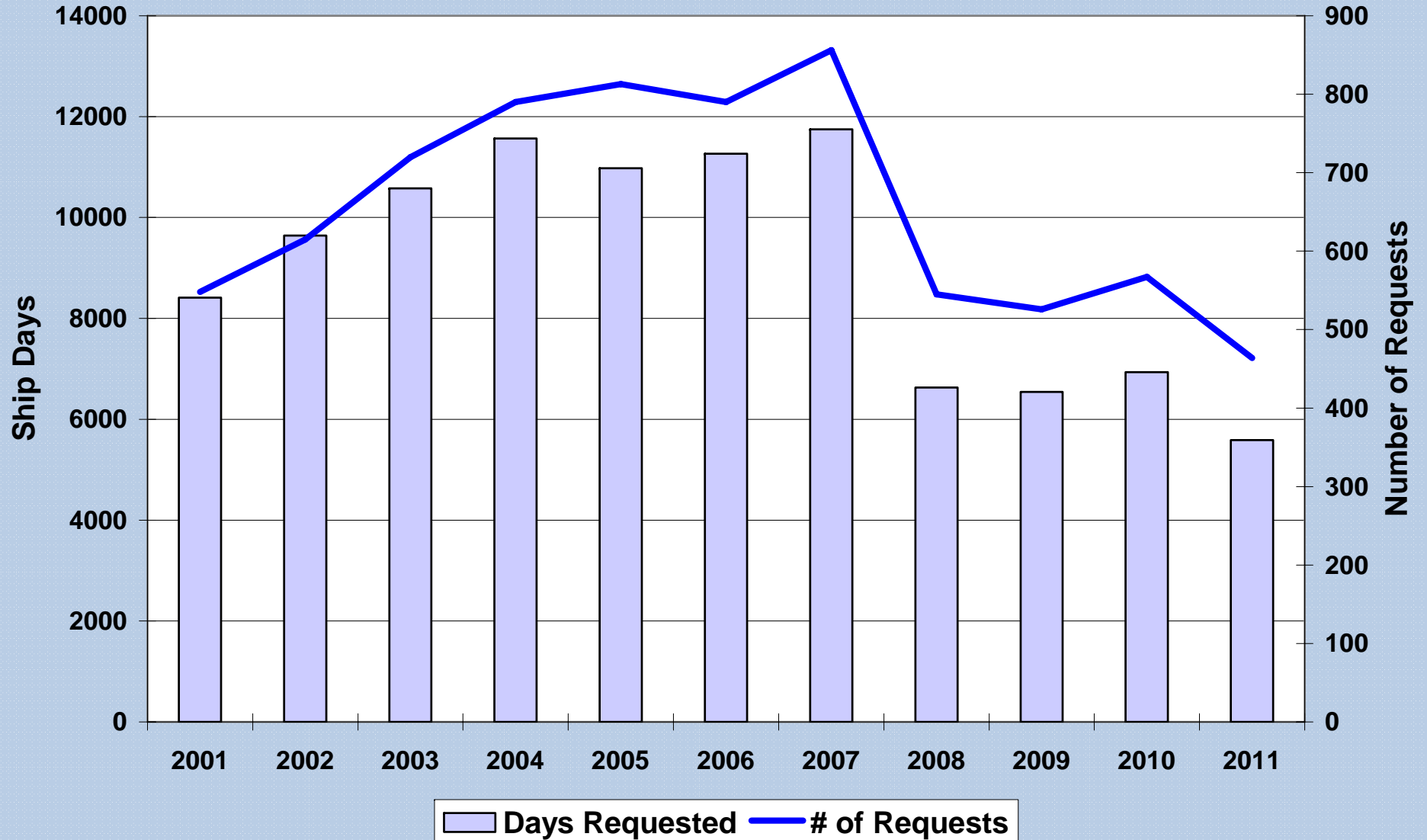
Ship Days Funded/Pending and Days Available



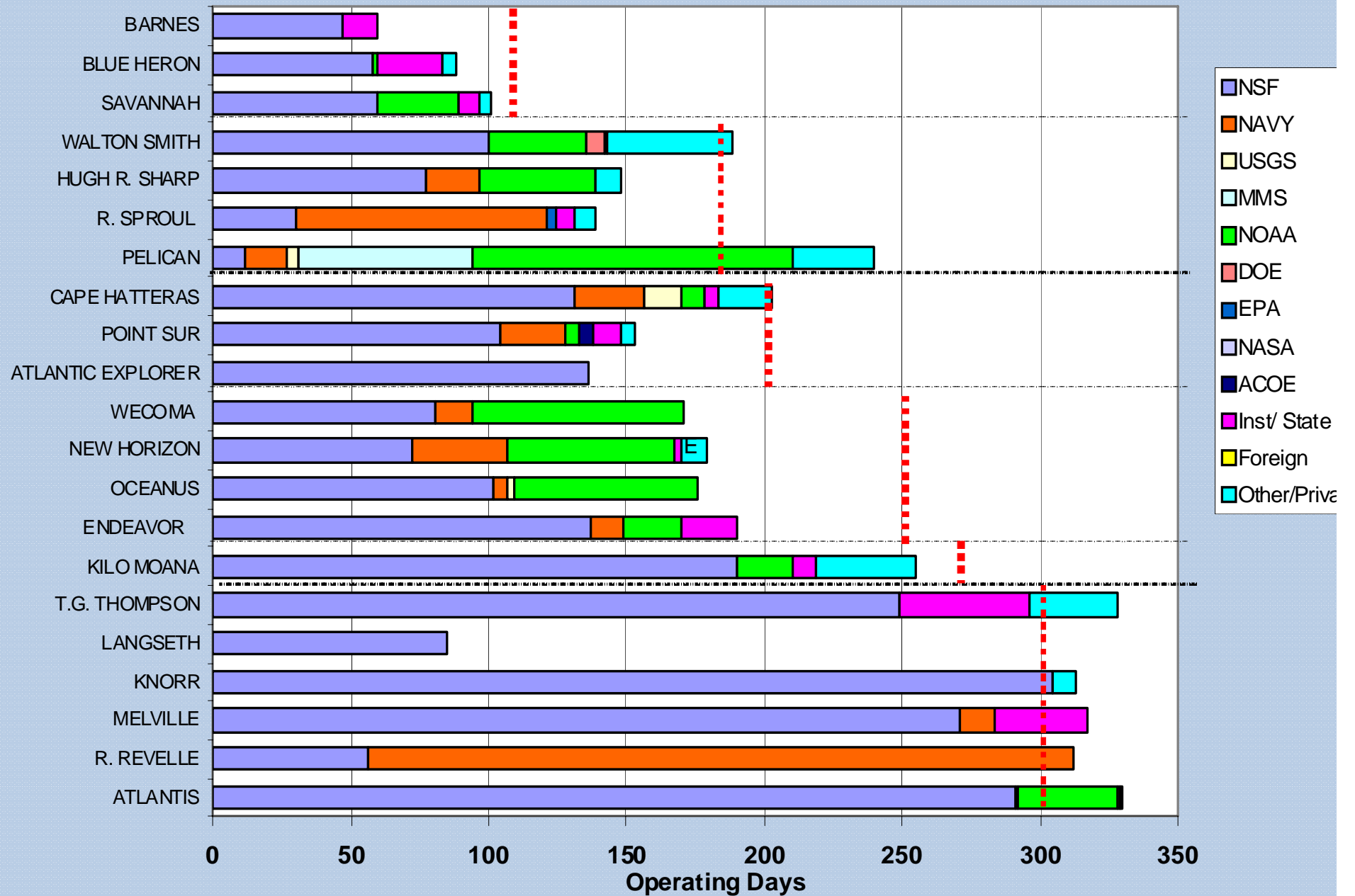
Ship Utilization by Class: 2000 - 2011



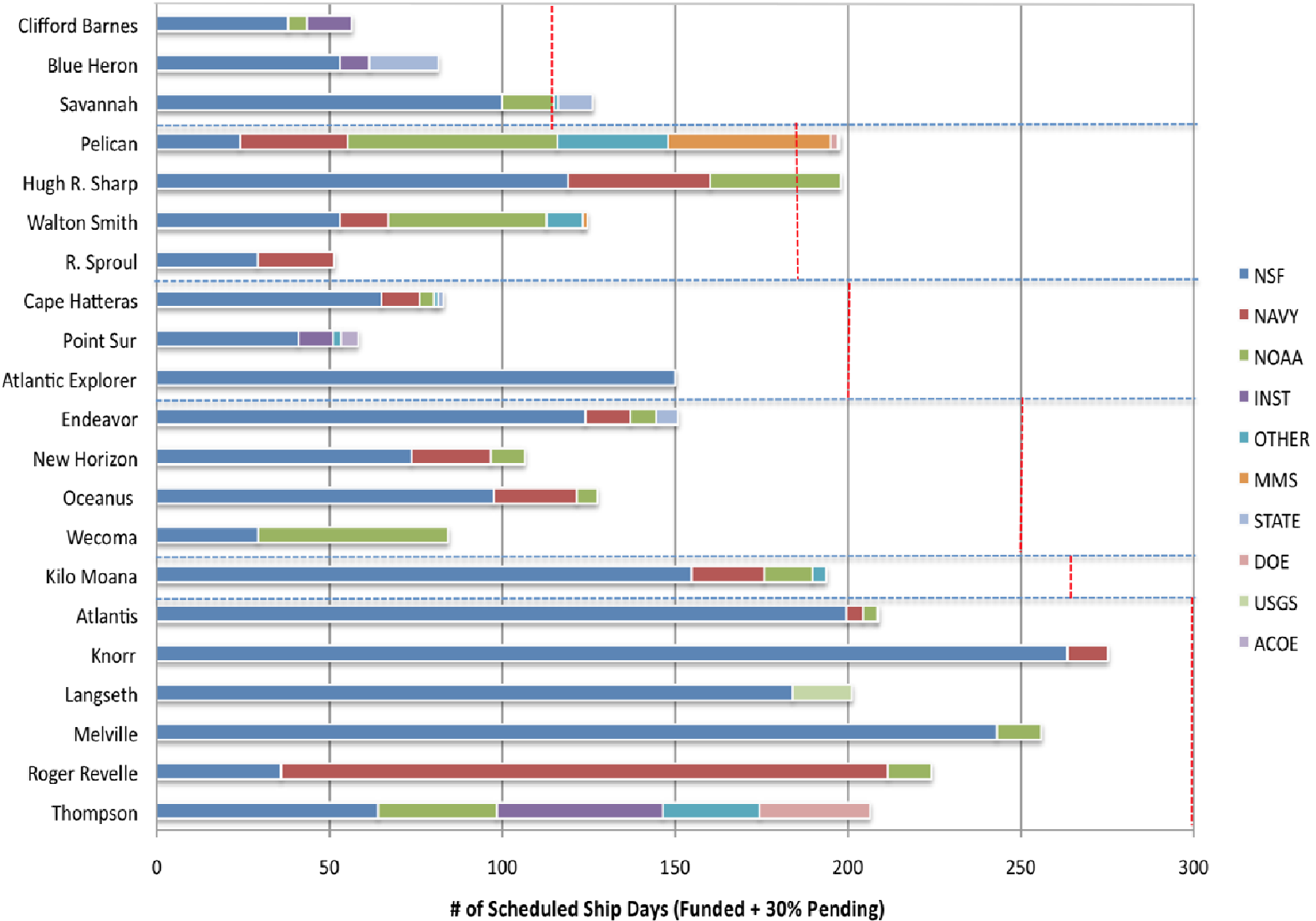
Ship Time Request Demand

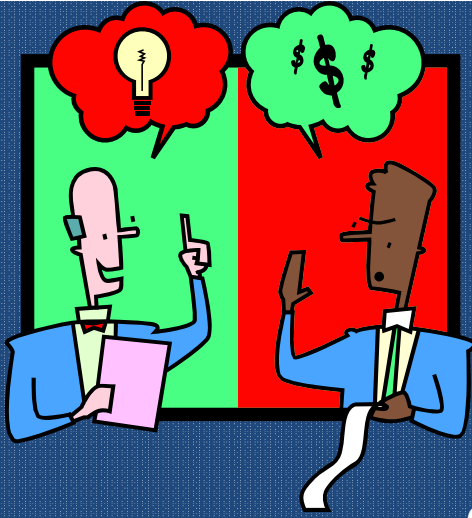


2010 Schedules



2011 Scheduled Ship Days





2011 Proposals



Oceanographic Technical Services:
Oceanographic Instrumentation:
Shipboard Scientific Support Equipment:

Dec 1st
Dec 15th
Dec 15th

Remember:

- 1.Data Management Plan (Required after Jan 18. Fastlane will reject without)
 - 2.References
 - 3.Facilities
- } N/A for our proposals but you need to put something in there.
Fastlane does not regulate

