

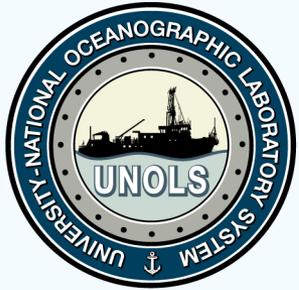


UNOLS

Deep Submergence Science Committee Meeting

Woods Hole Oceanographic Institution
May 18-19, 2016





R/V *Neil Armstrong* (AGOR 27)

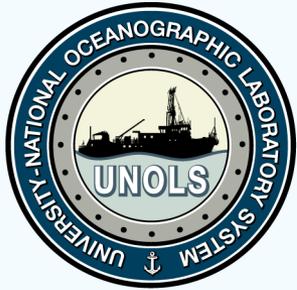
- Completed 3 Science Verification cruises
- Arrived in Woods Hole for the first time on April 6th
- NSF/UNOLS inspection Completed April 26-28
- UNOLS Designation approved on May 3, 2016
- First Paid Science Cruise starting May 12th for OOI



Photo by Mike Prince



Photo by Daniel Cojanu, WHOI



R/V *Sally Ride* (AGOR 28)

- Delivery in late June, 2016
- Science Verification Cruises, Equipment testing, possible Radiated noise tests and public outreach port calls through Late October
- NSF/UNOLS inspection Late October
- First Paid Science Cruise starting Nov 7th for CALCOFI



Photos by
Paul Bueren, SIO



Regional Class Research Vessel (RCRV)

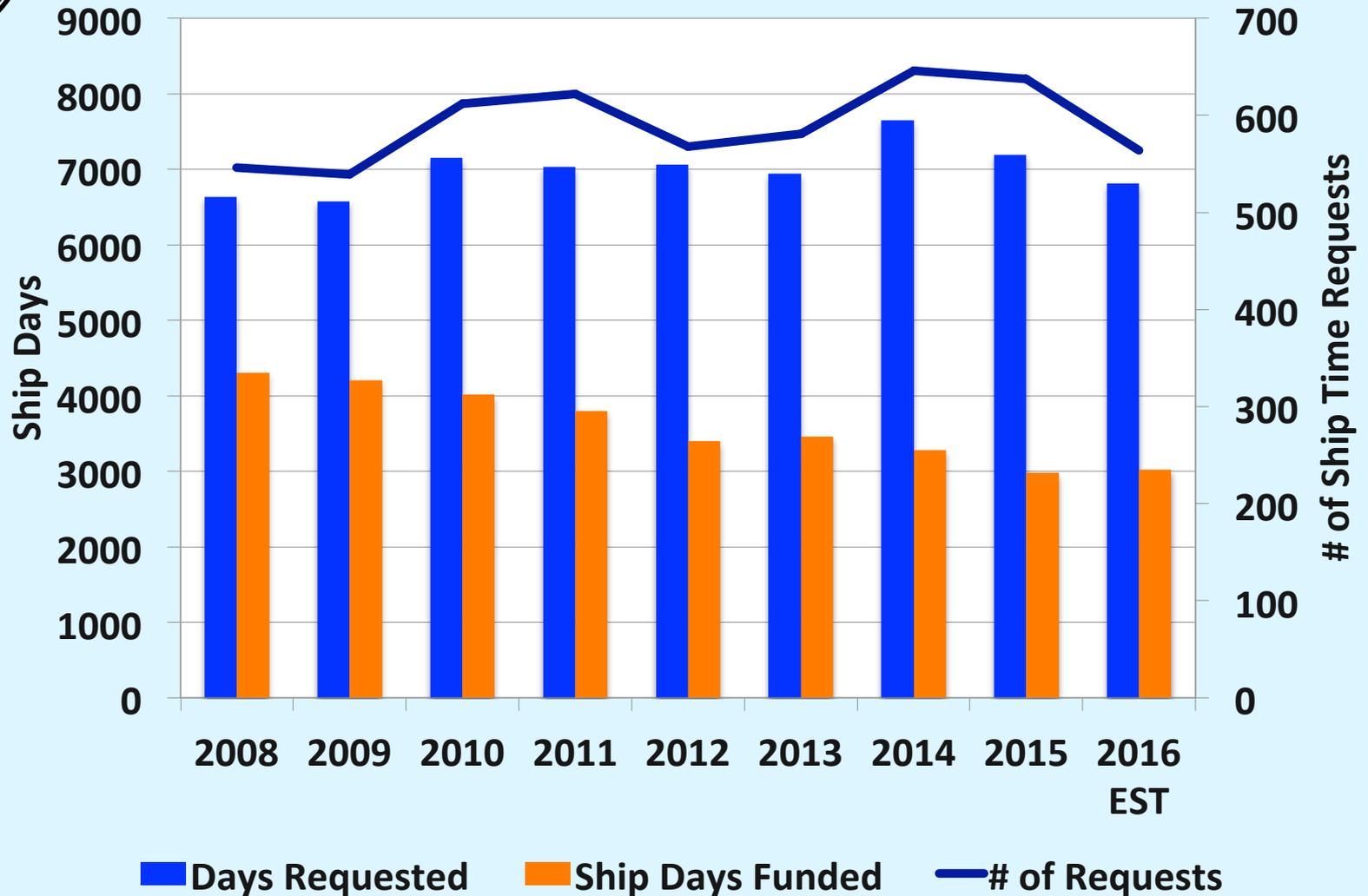
May 2016



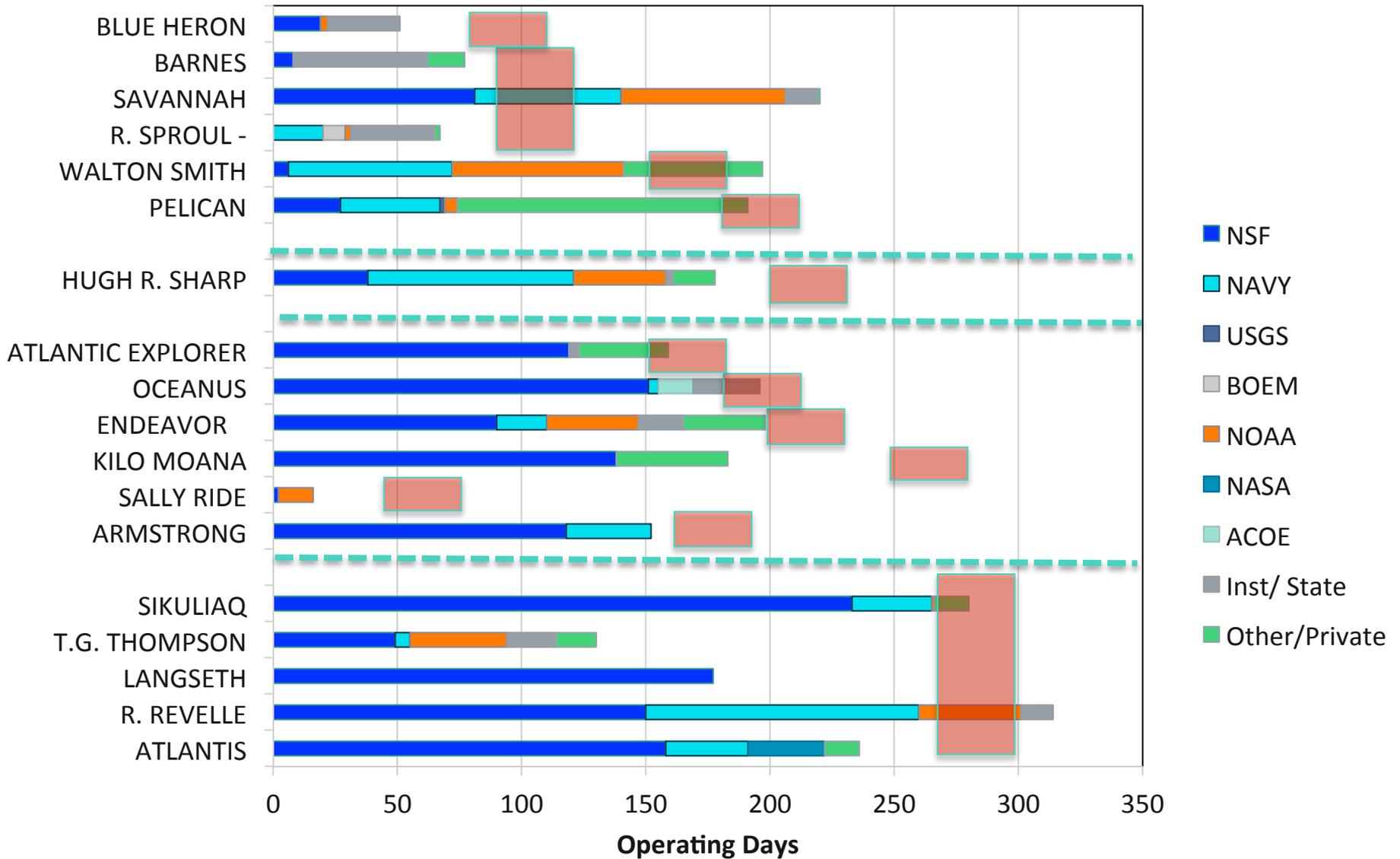
- Phase II Award, Begin Shipyard Selection Process – February 2016
- RFI Released – May 2016
- Final Design Review (PDR) – October, 2016
- Operator Selection Solicitation – February, 2017
- *Two Regional Class Research Vessels (RCRV) were supported by the Ocean Sciences community's decadal report, and proposed by the President in NSF's Congressional request. If the final Appropriations bill contains three RCRVs, as proposed by the recent Senate Appropriations action, and the President signs the bill into law, NSF will prepare to accommodate the legislation.*
- Construction 2017 – 2020/22, depending on number of vessels



Ship Demand and Ship Days Funded



2016 Ship Schedules



** The 2016 FOY range assumes that *Armstrong* is available for 8 months, *Sally Ride* is available 2 months, and *Thompson* is available 5 months.



“I need UNOLS ship time So when should I submit my proposal?”

When should an ocean-going science proposal be submitted to NSF?

- For research requesting Global- or Ocean-class UNOLS vessels: The proposal with UNOLS Request attached should be submitted **at least 18 months** before the anticipated time of the first cruise.
- For Intermediate-, Regional-, and Local-class vessels: The proposal with UNOLS Request attached should be submitted with as much lead time as is practical, but we recommend doing so **at least 12 months** before the anticipated time of the first cruise.
- Keeping the above lead time guidance in mind, **proposals may be submitted for either of the two annual OCE target dates -- 15 February or 15 August.** *(Yes, this is a change from the earlier guidance we provided in the Fall 2012, Winter 2013, and Fall 2014 issues of Making Waves.)*
- Early engagement with your cognizant program officer at NSF – even before the proposal writing is begun -- is always wise, especially if the project is logistically complex and carries a hefty price-tag.

This article will be featured in the Spring Making Waves Newsletter



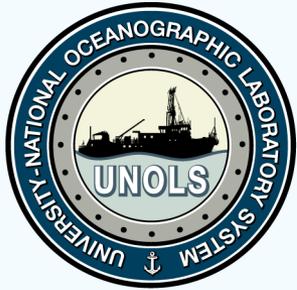
UNOLS Council Ad Hoc Committee on Pregnancy, Privacy, & Harassment

- **Committee Members:**
 - Debbie Steinberg/VIMS
 - Clare Reimers/OSU
 - Scott Ferguson/UH
 - Bruce Appelgate/SIO
 - Jon Alberts/UNOLS Office (facilitator)
- **Charge:** Research current policies and practices aboard UNOLS ships regarding protected personal information, medical history forms, participation at sea for pregnant and provisions for nursing women, and other issues as identified. Work to make existing policies more transparent for all. Report back to the Council with written recommendations on various methods that would help to clarify and articulate these policies.



UNOLS Council Ad Hoc Committee on Pregnancy, Privacy, & Harassment

- **Topics under Review-**
 - Pregnancy at Sea,
 - Medical History Forms
 - Harassment/ Prevention-Reporting- Follow-Up
- **Participation at Sea for pregnant women-**
 - Does your institution have a policy that governs or advises pregnant women going to sea?
 - Is it published?
 - Is this part of the pre-cruise planning communications?
 - Does your ship have accommodations for nursing mothers and storage of breast milk?



Chief Scientist Training Workshops

2011 through 2013 - Pilot Program lead by Clare Reimers:

- Four cruises: 2011 - *Wecoma* (2), 2012 - *New Horizon*, 2013 – *Endeavor*
- 57 Total participants over 3 years

2014 – 5 cruise opportunities

- *Atlantic Explorer* - Maureen Conte as PI (June Transit)
- *Blue Heron* – Doug Ricketts/UMN as PI (summer)
- *Point Sur* – Kenneth Coale, MLML as PI (3 fall cruises: 2 days in Moss Landing / 3-4 days at sea)

2015 – 2 cruise opportunities

- R/V *Blue Heron* - Doug Ricketts/UMN (August)
- R/V *Hugh Sharp*- - Mark Moline/UDEL (November 15-21, 2015)

2016 – 1 cruise completed

- R/V *Thomas G. Thompson* - February 11-20, 2016 - Allan Devol & Evelyn Lessard/UW (Staged from San Diego and included research in coastal and offshore waters)





Chief Scientist Training Workshops

Tracking the Participants:

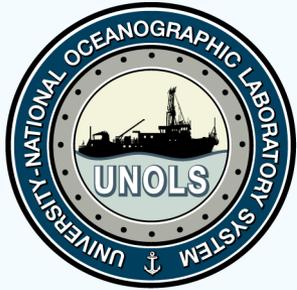
- 113 Participants in CSTW over 5 years (2011 – 2015)
- 38 Participants submitted a total of 177 STRS Requests (77 as PI, 100 as Co-PI)
- 35 Requests funded



86 Blogs Posts from the workshops

<http://csw.unols.org/scientist-posts/page/2/>

A “Lesson’s Learned” and document with “Tips for leading a Chief Scientist Training Cruise” will be drafted.

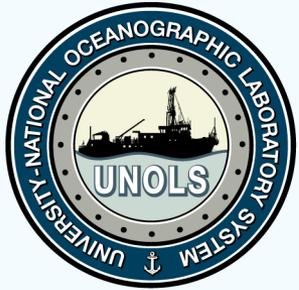


Future Chief Scientist Training Workshops/Initiatives

2016 – 5 cruises planned:

- ***R/V Atlantis with Alvin, Sentry , and Telepresence – Cindy Van Dover, lead PI***
 - 2-day pre-cruise workshop (26-27 July)
 - 11 day at sea with telepresence (28 July to 7 Aug) and HOV *Alvin* (5 dives) and AUV *Sentry*
 - A 1 day post-cruise follow-up (8 Aug)
 - Woods Hole MA to Morehead City NC.
 - First leadership training cruise with deep-submergence assets, and it will be the first 'telepresence'-enabled leadership training program.
 - Partway through the cruise, participants on *R/V Atlantis* will move to the Inner Space Center at URI/GSO
- ***R/V Blue Heron - Doug Ricketts/UMN (Summer) – 4 cruises***
 - Great Lakes Chief Scientist Training Cruises.
 - The program will occur from June 12 to July 2
 - Participants will register for one of 4 separate 3 or 4 day cruises on Lakes Superior or Michigan, as well as a pre-cruise workshop for each cruise.
- **Continue DeSSC New User Program – December 2016**





Chief Scientist Training Cruises

- Many thanks to:
 - The PI's who coordinated the chief scientist training cruise
 - NSF and ONR for their generous support of these programs and for participating in the classroom training
 - Ship's crew and marine technicians for supporting the cruise operations
- A "Lesson's Learned" and document with "Tips for leading a Chief Scientist Training Cruise" would be useful.



Thank you!