



University-National Oceanographic Laboratory System ~UNOLS~

**Deep Submergence Science Committee
(DeSSC) Meeting
September 10-11, 2015**





UNOLS Chair at the North Pole

U.S. Coast Guard Cutter Reaches North Pole



The Coast Guard Cutter Healy's crew poses in front of the cutter after reaching the North Pole September 6.

By [MarEx](#) 2015-09-08 19:14:07



UNOLS Fleet News – Vessel Retirements

- R/V *Knorr*
- R/V *Melville* - Retirement ceremony held February 21, 2015
- R/V *Point Sur* - Sold to University of Southern Mississippi & departed Moss Landing March 5, 2015
- *New Horizon* retired in 2015





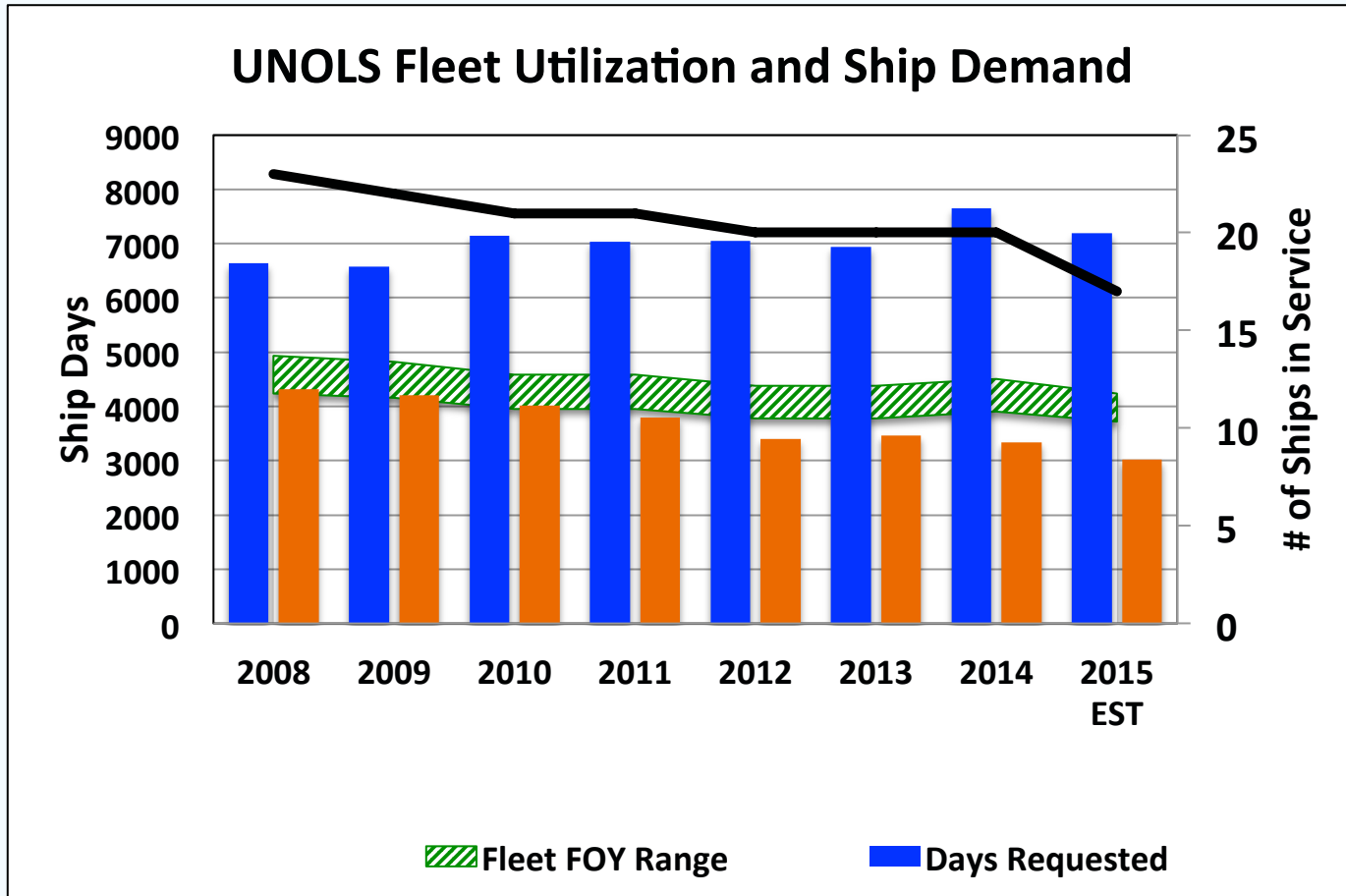
UNOLS Fleet News - Design and Construction activities

- **Two new Ocean Class Ships:** R/V *Neil Armstrong* (WHOI) and R/V *Sally Ride* (SIO) will enter UNOLS service in 2016
- **Regional Class Research Vessels**
 - Sea Change Report recommended 2 vessels be built.
 - Operator selection is planned for mid-2017.
 - First ship enters service in 2021





UNOLS Fleet Utilization



UNOLS Ship time for OOI (as of July 2015)

Total Global 2014	150
Total Global 2015 YTD	109
Total estimated 2015	195

Total Intermediate 2014	16
Total Intermediate YTD	12
Total estimated 2015	26

2016 OOI Requested Ship Days

Global*	77
Ocean Class (N. Armstrong)	76
Jason	30

** 20 of global days NSF Barter on Ron Brown*

Notes on 2016 planning for ship time

- are based on UNOLS Ship time requests plus estimated transit days to the work area
- are not based on the UNOLS draft ship schedules
- do not include any transits that OOI may be responsible for



Medical Questions/Medical History Form/Pregnancy at Sea

- **Issues:**

- In May-July 2015, the UNOLS office has received e-mails and comments from the community that the policies regarding pregnant women as members of cruise science parties could be more clearly stated and readily accessible.
 - The UNOLS Council also considered a relevant article published in Oceanography magazine: (http://www.tos.org/oceanography/archive/27-4_supp_orcutt.pdf.)
 - Questions were also raised on the accommodations that UNOLS vessels provided for nursing mothers.
 - Questions about the types of protected personal information on medical history forms have also been asked.
- UNOLS strives to provide clear policy information on all these issues with an aim toward promoting a safe and friendly work environment on all ships in the fleet. Presently UNOLS has taken the approach that these various policies are best determined at the institutional level however UNOLS can make suggestions to improve and better communicate this process.



Medical Questions/Medical History Form/Pregnancy at Sea

- An ad hoc committee of UNOLS Council members has been created to evaluate these issues and provide recommendations that will help to resolve them.
- **Committee Members:**
 - Debbie Steinberg/VIMS
 - Clare Reimers/OSU
 - Scott Ferguson/UH
 - Bruce Appelgate/SIO
 - Jon Alberts/UNOLS Office (facilitator)



New Publications

- **Reissue of Research Vessel Safety Standards (RVSS)**
https://www.unols.org/sites/default/files/RVSS_Edition_10_July2015.pdf
- Changes made since last revision:
 - Appendix A: Revised: UNOLS Rope and Cable Safe Working Load Standards
 - Appendix B: Added UNOLS Overboard Load Handling Systems Design
 - Chapter 19: Added Ship-based Aircraft Operations
 - Extensive review and update of references and content throughout the RVSS
- **Eos Project Update:** Dr. Debbie Smith of WHOI recently authored an article describing UNOLS' history and future, explaining the importance of our consortium and detailing ways for the scientific community to get involved.





Chief Scientist Training Cruises: 2015

- *Blue Heron* – August 24th to August 29th, 2015 - Doug Ricketts/UMN
 - Included a 3-day NSF funded cruise on Lake Superior.
 - Application Deadline: July 10th, 2015



- R/V Hugh Sharp- November 15-21, 2015- Mark Moline/UDEL
 - ONR 2 days funding & NSF 5 days funding





UNOLS Cruise Opportunity Program

Program Goals

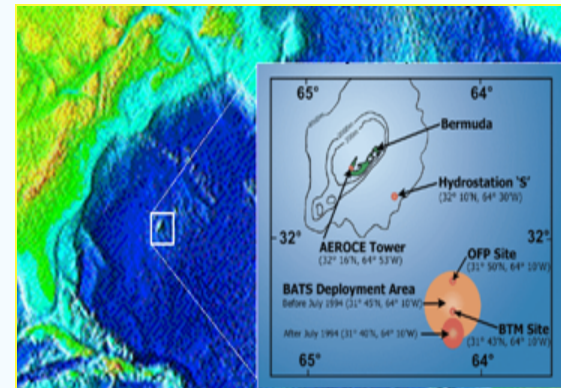
The primary goal of the UNOLS Cruise Opportunity Program is to provide graduate students currently completing a degree in a field of oceanographic research with the opportunity to participate in a research cruise. The participant will be a member of the scientific party and be involved in data collection and all other activities at sea.

Program Website:

<https://www.unols.org/unols-cruise-opportunity-program>



2015 Cruise Opportunities



- November Cruise with Dr. Maureen Conte (BIOS)
 - Time Series Particle Flux Measurements in the Sargasso Sea
 - 3 Bunks Available
 - Application Deadline Sept. 10

*image courtesy of Marine Biological Laboratory



UNOLS Meetings and Workshops

Oct 20-23	IRSO 2015 Host: NOAA/NSF/ONR/UNOLS/SIO Meeting Venue: Scripps Institution of Oceanography	 International Research Ship Operators
Nov 3-5	RVTEC, U. Miami	
Nov 8-13	Coastal & Estuarine Research Federation (CERF) 2015, Portland, OR Workshop: <i>“New Research Vessel Infrastructure for Estuarine and Coastal Science”</i> Clare Reimers/ OSU, Doug Russell/UW, & Alberts & DeSilva/UNOLS	
Dec 2-4	FIC, Council, and UNOLS Annual Meetings - Featured Speaker: Sherri Goodman, CEO Consortium for Ocean Leadership	
Dec 12-13	DeSSC New User Program	
Dec 13	DeSSC Annual Community Meeting	
Jan 5-7, 2016	UNOLS/OOSC Coastal Observatories Venue: NSF	