

UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM (UNOLS)

~ The Current and Future Fleet ~

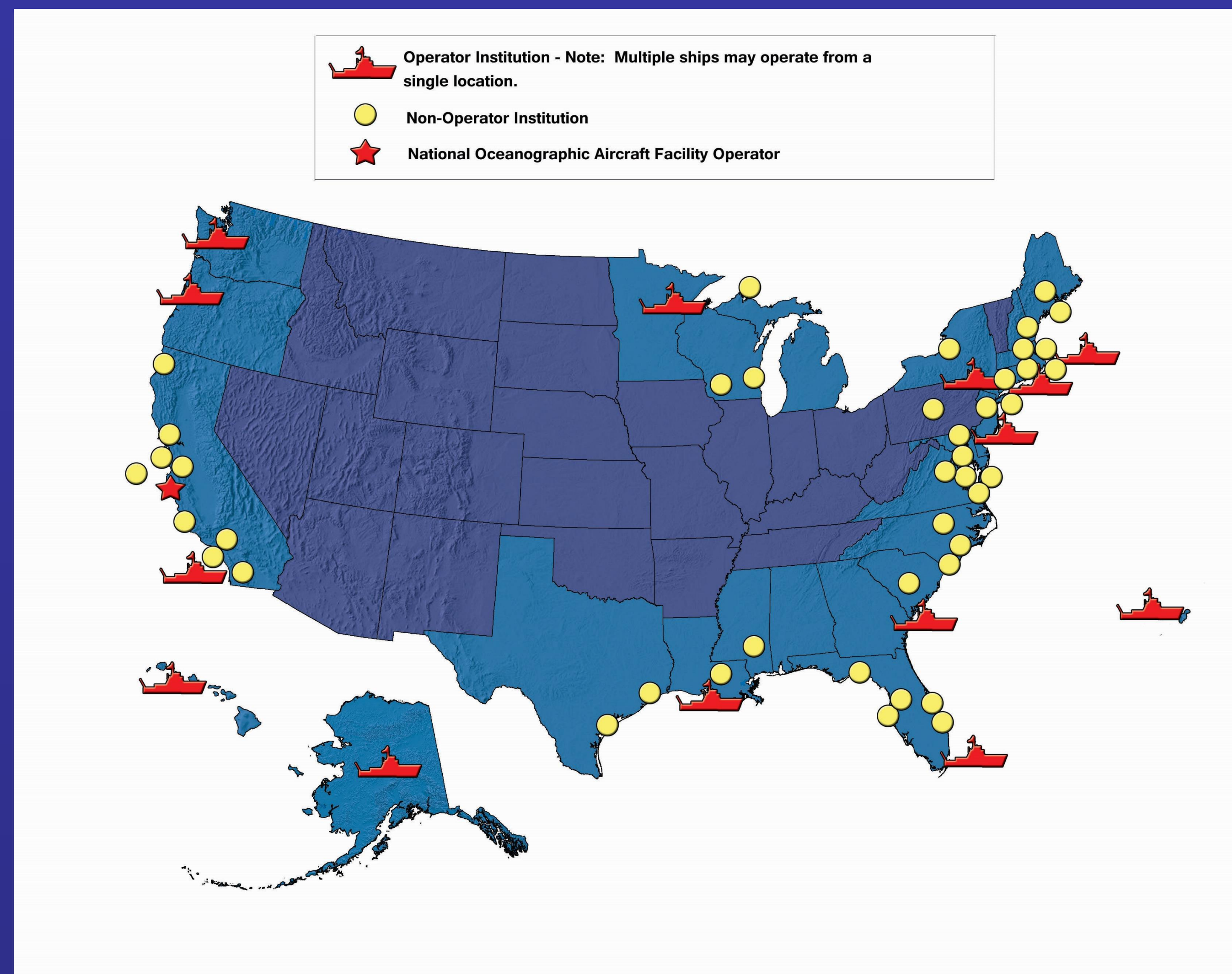
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What is UNOLS?

The University-National Oceanographic Laboratory System (UNOLS), formed in 1971, is an organization of 59 academic institutions and National Laboratories involved in oceanographic research and joined for the purpose of coordinating oceanographic ships' schedules and research facilities. The UNOLS Office is located at the University of Rhode Island Graduate School of Oceanography. One of the primary functions of UNOLS is to ensure the efficient scheduling of scientific cruises aboard the 18 research vessels located at 14 operating institutions in the UNOLS organization. Both current and future schedules for these ships are available through the UNOLS Ship Time Request System (STRS) at strs.unols.org.

Locations of UNOLS Members



UNOLS National Oceanographic Facilities

In addition to the UNOLS Fleet, there are 3 specialized UNOLS Oceanographic Facilities.

UNOLS National Deep Submergence Facility



DSRV *Alvin*



AUV *Sentry*



ROV *Jason II*

UNOLS National Oceanographic Aircraft Facility



UV-18a 'Twin Otter'

UNOLS National Oceanographic Seismic Facility



R/V *Marcus G. Langseth*

The UNOLS Academic Research Fleet

	Vessel	Operator	Length (ft)	Year Built/Refit
	Global Class			
	THOMAS G. THOMPSON	University of Washington	274	1991/2016
	ROGER REVELLE	Scripps Institution of Oceanography	274	1996
	ATLANTIS	Woods Hole Oceanographic Institution	274	1997
	SIKULIAQ	University of Alaska Fairbanks	261	2014
	MARCUS G. LANGSETH	Lamont Doherty Earth Observatory	235	1996/2007
	Ocean/Intermediate Class			
	KILO MOANA	University of Hawaii	186	2002
	ENDEAVOR	University of Rhode Island	184	1976/1993
	OCEANUS	Oregon State University	177	1976/1994
	ATLANTIC EXPLORER	Bermuda Institute of Ocean Sciences	168	1982/2006
	NEIL ARMSTRONG	Woods Hole Oceanographic Institution	238	2014
	SALLY RIDE	Scripps Institution of Oceanography	238	2015
	Regional Class			
	HUGH R. SHARP	University of Delaware	146	2005
	Coastal/Local Class			
	ROBERT G. SPROUL	Scripps Institution of Oceanography	125	1981/1985
	PELICAN	Louisiana Universities Marine Consortium	116	1985/2003
	F.G. WALTON SMITH	University of Miami	96	2000
	SAVANNAH	Skidaway Institute of Oceanography	92	2001
	BLUE HERON	University of Minnesota	86	1985/1999
	RACHEL CARSON	University of Washington	72	2003/2017

Newest Vessels to Join the UNOLS Academic Research Fleet

R/V *Rachel Carson*



The R/V *Rachel Carson* joined the UNOLS fleet in 2018 as a replacement for R/V *Clifford A. Barnes*. This new addition brings expanded endurance, ship handling and seakeeping capabilities, increased lab space, and increased load handling capability to the Academic Research Fleet's Coastal/Local Class.

New UNOLS Office for 2019!

As stated in the UNOLS Charter, the Office should not remain at a single institution for more than ten years. The University of Washington has been selected to host the UNOLS Office beginning in May 2019.

Important Refits and Upgrades

Refits allow for an economical extension of vehicle and vessel service life. Several refits are planned for the immediate future.

R/V *Thomas G. Thompson*



R/V *Thomas G. Thompson*, operated by the University of Washington, entered the shipyard for a mid-life refit and service life extension in June 2016. The refit was funded by the Navy and NSF and upgrades were made to the powering (including new engines), engineering, and science sensor systems as well as the laboratory spaces. The *Thompson* rejoined UNOLS service in early 2018.

R/V *Atlantis* and R/V *Roger Revelle*



R/V *Revelle's* refit is funded and planned for April 2019. The R/V *Atlantis* refit is funded and planned for April 2020.

ROV *Jason*



With NSF funding, ROV *Jason* received a major upgrade in 2015 – 2016 that increased payload and broadened the vehicle's range of capabilities including heavy lifting and a new launch and recovery system.

The Next Generation of Research Vessels

NSF continues plans for the acquisition of new Regional Class Research Vessels. A shipyard contract was signed in July 2017 to build 1 vessel with options to build a 2nd and 3rd RCRV.



Federal agencies that support UNOLS

