

UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM (UNOLS)

~ The Current and Future Fleet ~

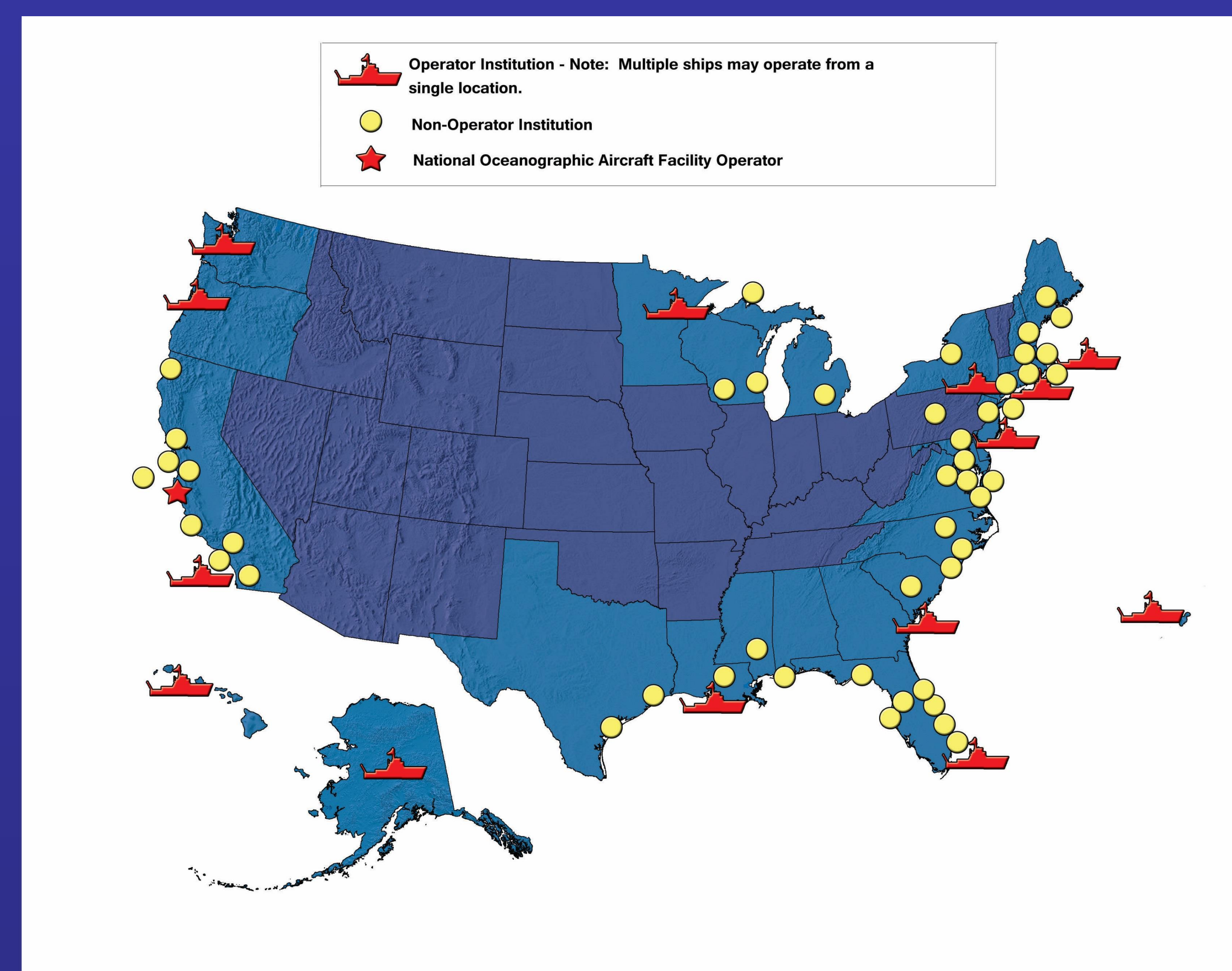
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What is UNOLS?

The University-National Oceanographic Laboratory System (UNOLS), formed in 1971, is an organization of 60 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				
 R/V Kilo Moana	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
 R/V Sikuliaq	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
 R/V Pelican	CLIFFORD A. BARNES	University of Washington	66	1966/1984

Newest Vessels to Join the UNOLS Academic Research Fleet

Global Class Ice-Capable Research Vessel *Sikuliaq*



R/V *Sikuliaq*, owned by the National Science Foundation and operated by the University of Alaska, Fairbanks began science operations in 2015. Since joining the fleet, *Sikuliaq* has worked in the Western Arctic, Pacific Northwest, and along the U.S. west coast.

AGOR 27 *Neil Armstrong* & AGOR 28 *Sally Ride*



The Navy delivered the R/V *Neil Armstrong* to Woods Hole Oceanographic Institution in September of 2015 and delivered the R/V *Sally Ride* to Scripps Institution of Oceanography in July 2016. By the end of 2016, both ships will have entered science service.

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 early June 2016. The refit is funded by the Navy and NSF and upgrades will be made to the powering (including new engines), engineering, and science sensor systems as well as the laboratory spaces.

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



R/V *Revelle's* refit is funded and planned for 2018, and pending future budget approvals, R/V *Atlantis* will be re-fit a few years after.

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. The final design review and shipyard selection will take place in 2016. Pending funding approval, construction could begin in 2017.



Federal agencies that support UNOLS

