

UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM (UNOLS)

~ The Current and Future Fleet ~

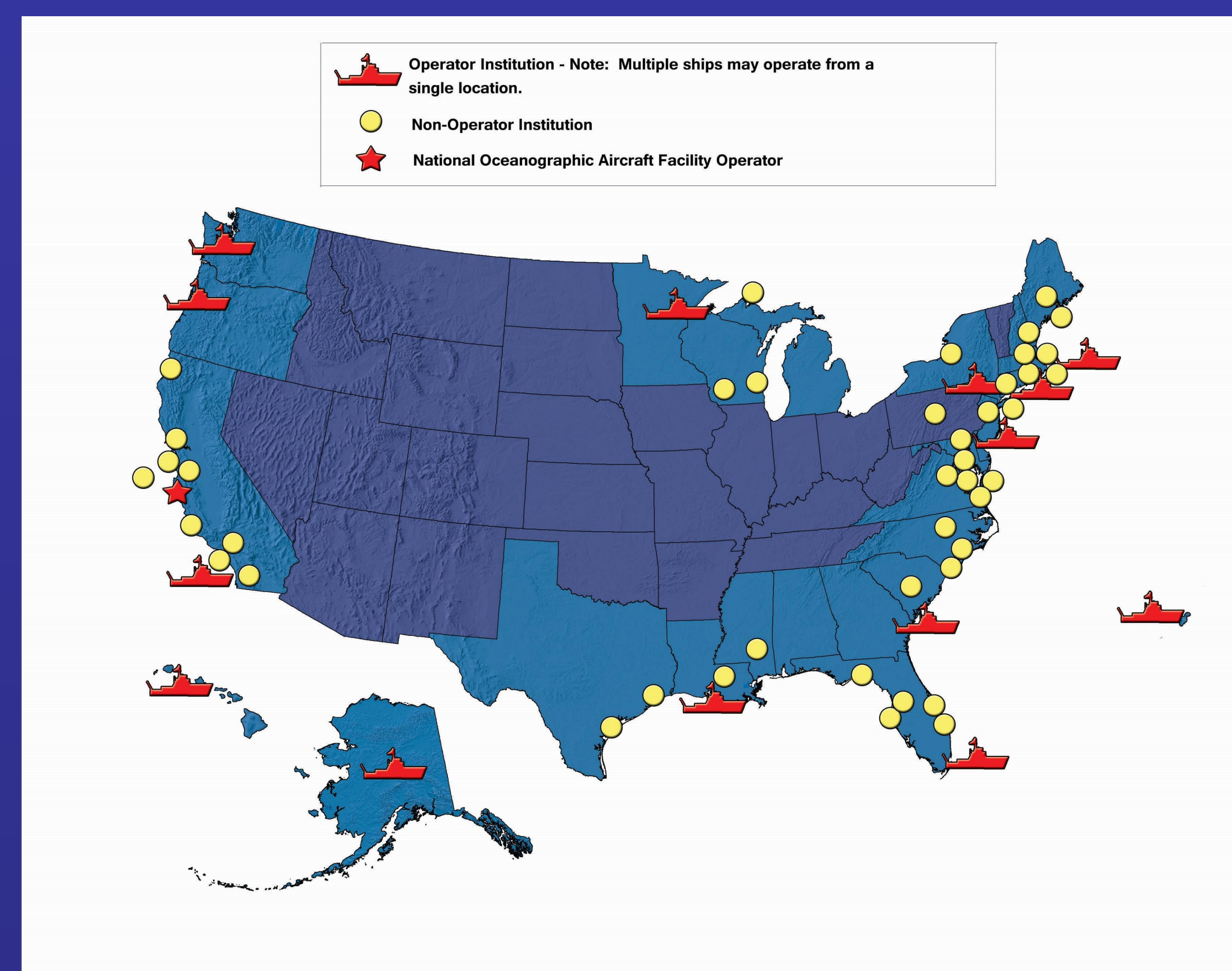
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What is UNOLS?

The University-National Oceanographic Laboratory System (UNOLS), formed in 1971, is an organization of 58 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 str.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 |
|  R/V Pelican | 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

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. Both ships have been accepted to the U.S. Academic Fleet and are serving the oceanographic science community.

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* is expected back in service in late 2017.

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



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

