



Oceanographic Research Vessel

Sally Ride (AGOR 28)



General Specifications

Built:	Delivery anticipated in 2016
Berthing:	20 crew, 25 scientists
Dimensions:	238 feet (length), 50 feet (beam), 15 feet (draft)
Speed:	10.5 knots (transit), 12.8 knots (maximum)
Speed, minimum:	Variable from 0 knots, omnidirectional
Station keeping:	Dynamic positioning \pm 5 meters @ sea state 5
Power plant:	Diesel electric, four gensets, two AC propulsion motors
Propulsion:	Dual controllable pitch propellers
Thrusters:	Azimuthing bow thruster and stern tunnel thruster
Freeboard:	8 feet at transom
Displacement:	3,024 long tons
Range:	11,500 nm @ 12 knots
Endurance:	40 days (limited by provisions)
More information:	http://scripps.ucsd.edu/ships/sally-ride



Oceanographic Research Vessel *Sally Ride*

Operator: Scripps Institution of Oceanography

Owner: U.S. Office of Naval Research

Significant mission support is provided by U.S. National Science Foundation

Highly capable Ocean Class research vessel operates across ocean basins.

General-purpose design supports broad range of activities.

Crewed by professional civilian mariners with USCG credentials.

Access to variety of mission-specific instruments, including a 2000m

remotely operated vehicle, CTD rosettes, high-resolution seismic reflection systems, SeaSOAR, sediment cores, rock dredges, acoustic transponders, towed net systems, containerized lab vans, and more.

Professional shoreside support staff assists with logistics and permitting
Part of the University-National Oceanographic Laboratory System (UNOLS), available to scientists supported by federal and state agencies

Scientific Instruments

Current profilers:	Teledyne RDI ADCPs (38/150/300 kHz), UH-DAS
Seafloor mapping:	Kongsberg EM122 & EM712 multibeam systems
Subbottom profiler:	3.5/12 kHz Knudsen 3260 CHIRP echosounder
Midwater imaging:	Simrad EK-80 multispectral fisheries echosounder
Underway sensors:	Quantitative wave radar, pCO ₂ , T/S, sound speed
Meteorology:	Suite of air/sea sensors with integrated data viewer
Acoustic positioning:	Kongsberg HiPAP 12/30 kHz SSBL with transponders
Work areas:	2,035 sq feet (lab), 2,557 sq feet (main deck)
Communications:	Multiple satcom broadband, voice and data links
Overboarding:	Stern frame, crane, two load handling systems (stbd)
Winches:	Two-drum deep-sea traction winch, two CTD winches
Instrument well:	24-inch diameter, user-configurable, crane access
Main crane:	Main 10,000 lbs dynamic load, portable 2,000 lbs
Small boats:	Port side (rescue boat and work boat)

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