

SCRIPPS INSTITUTION OF OCEANOGRAPHY

CHALLENGES AND SUCCESSES RVOC 2025

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UC San Diego



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R/V Sally Ride, Anacortes, Washington. Credit: Jeff Dillon.

SIO CHALLENGES & SUCCESSES

- Roger Revelle
 - Challenge with 681 wire challenges in December (Final cruise of the year)
 - Drydock
 - Plenty of steelwork, 30% increase of steelwork through endless follow up visits by USCG
 - Upgrade of interior thanks to NSF. (Lounge, Laundry, crew mess)
 - Lessons learned on psychedelic substances (legal) ..
 - Plenty of issues with crew- illness and accidents (especially accidents off the ship)
 - Went to 100% paperless like on Sally Ride (ECDIS)
 - Gondola modification (making a dry well for the acoustic equipment)
 - Propulsion system issues with DMS
 - Found one of the liners fail again in the same fashion that caused spill in 2023.
 - Adaptor between hull and Z drive showed corrosion
 - DMS' "attitude"
 - Spare part >9M out. Had to remanufacture, roll and machine stainless steel rings.
 - Problems between DMS and ABS. Kept going regardless.
 - Now currently dealing with Bowthruster issues, failure to run after
 - Installed ECOMAIN
 - Hoping to install more camera's for operational safety purposes (fire prevention in ER)



SIO CHALLENGES & SUCCESSES

- Sally Ride
 - Ballast water treatment system installation completed
 - DigiGone SASH camera system installed
 - Interior upgrade for crew habitability funded by NSF
 - Installed ECOMAIN (Siemens)
 - Hoping to install more camera's for operational safety purposes (fire prevention in ER)
- Sproul – passed NSF inspection. Relatively quiet after the big drydock of 2024.
- Facility:
 - Jet crash at Marfac.
 - Diverted all ships to downtown San Diego.
 - Sproul mobilization at navy base and there was no impact on their scientific mission.



THANK YOU



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