

SIO Shipyard Representative Bi-Weekly Progress Report		
Project: AGOR 28	Contract No.: N00014-12-C-0305	Shipyard: Dakota Creek Industries
Prepared by: Paul D. Bueren Scripps Institution of Oceanography (SIO) 297 Rosecrans St. San Diego, CA 98106	Date: April 9 2014	Program Officer: Robert (Tim) Schnoor Office of Naval Research 875 Randolph St ONR 321 Arlington, VA 22203-1995
Distribution Statement A: Approved for public release; distribution unlimited.		Report No. A002.054

1. Meetings:

- i. Participated in weekly conference calls.
- ii. Participated in weekly yard meeting with yard and GPA.

2. The following Shipyard Question Submittals were reviewed and commented on:

Q93 Monel Topside Flange Fasteners:

SIO is fine with CRES. The question now is what if anything the yard will give back on the lower cost over Monel.

3. Logistics:

- i. Continuing to review Vendor Recommended Spares (VRS).
- ii. Continuing to review Technical Manuals and Supplemental Information.
- iii. Continuing to work on initial outfitting lists for Sally Ride.

4. Other Work Items:

- Sally Ride Progress – There continues to be no notable progress in the pipe, hvac or electrical work on Ride. Equipment is being loaded and staged. The insulation trade is on board and working on the fo'c'sle and 01 Decks in preparation for setting the Toilet/Shower units. Structure and foundations seem to be on schedule.
- Scientific Refrigeration Boxes - No changes since last reporting period.
- Pilot House Void SOLAS Fire Integrity – Not official but it looks like ABS/USCG MSC will not grant the equivalent level of safety in lieu of A-15 insulation between the void and the Pilot House. The equivalent level of safety would have included using existing smoke detectors and adding shut downs to the air handlers in the void. Not too much of an issue for Ride as the yard has not installed any equipment in the void yet, other than staging the air handlers in the space. There would be very little impact, other than cost, to install the required insulation.
- VRS Funding – Funding for Buy List 5 has been increased by \$200,000. Thank you, Larry!
- Sally Ride Motor Mounts – the port and starboard propulsion motor mounts are in the engine room, with the starboard mount fitted.

Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE APR 2014		2. REPORT TYPE		3. DATES COVERED 00-00-2014 to 00-00-2014	
4. TITLE AND SUBTITLE AGOR 28				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Scripps Institution of Oceanography (SIO), 297 Rosecrans St., San Diego, CA, 98106				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 8	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE APR 2014		2. REPORT TYPE		3. DATES COVERED 00-00-2014 to 00-00-2014	
4. TITLE AND SUBTITLE AGOR 28				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Scripps Institution of Oceanography (SIO), 297 Rosecrans St., San Diego, CA, 98106				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 8	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

- Sally Ride Machinery – all of the large switchboards and transformers have been staged on board and the access hole has been sealed up.



- Sally Ride Rudder – The rudder stocks have been fitted. Both hydraulic tanks with associated pumps and controls are mounted in the space.



- Mast Vibration – DCI has added a cross piece and gusset to Sally Ride's mast. SIO has added this to the DR14 discussion topics.



- Stern Tubes – Machining continues with the penultimate bearing race in process, Machine Shop port. Approximately 680/1000 is to be remove, at 20/1000 per pass.



- Markey CAST 6 CTD Winch – Received written and video confirmation from Markey that the level wind drive motor was reinstalled and tested after factory repairs were made to correct a defect.

- Markey Equipment Delivery – DCI both CAST6 winches and the anchor windlass on 4/9/2014. No obvious defects were noted. DCI will be mounting the windlass shortly. The foundations for the CAST6 winches are installed on the 01 Deck.



- EM122 & EM710 Mounts – Mounting flange for temporary cover fitted and installed



ABS/USCG Call-Outs - Sally Ride

Tank Testing:

- Ballast Tank 5 Port – Pressure tested remaining watertight boundaries with ABS in attendance. No leaks or defects detected.
Ballast Tank 5 Starboard – Pressure tested remaining watertight boundaries with ABS in attendance. No leaks or defects detected.
This completed the remaining boundaries for the following tanks:
Port Aft Peak
Stbd Aft Peak
No 4 Ballast Port
No 4 Ballast Stbd
- Ballast Tank 2 Port - Pressure tested remaining watertight boundaries with ABS in attendance. ABS inspector found one pin hole leak at Frame 16 Port. Will re-inspect once repairs are completed.
Ballast Tank 2 Starboard – Pressure tested remaining water tight boundaries with ABS in attendance. No leaks or defects detected.

Structural Inspections:

- Staging Bay welds
- Anchor Windlass foundation welds
- Dry Storeroom fore'sle deck hatch welds
- Dry Storeroom main deck hatch welds

5. The following DRL's were reviewed and commented on:

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 720102-01 NR Kidde Fuel Shunt System)(DARC REV)	991/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#392 DI-055 (TM) for FNW Figure 321AC Carbon Steel Ball Valve)(R/ASR)	785/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#393 DI-055 (TM) for 573f HUBBELL Trolley Winch Disconnect Switch)(R/ASR)	787/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#394 DI-055 (TM) for 505 WATTS Model LFU007M1QT Backflow Preventer)(R/ASR)	789/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#395 DI-055 (TM) for 505 WATTS Model LF7R Backflow Preventer)(R/ASR)	791/0
AGOR27	A033-03	STD Report - QUARTERLY WEIGHT REPORT (Quarterly Weight Report - Rev H)	5/0
AGOR27	A035-19	STD Report - SSV FACTORY ACCEPTANCE TEST (FAT) NOTIFICATION (SIEMENS MCCS FAT NOTIFICATION)(R/ASR)	47/0

AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72458-01 NR BLUCHER Vacuum Piping)(DARC REV)	865/1
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72005-07 Markey DETW-9-11-48 Traction Winch and Storage Reels)(DARC REV)	935/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (DI-051 (VRS) for PL 720242-01 FNW Figure 321AC Carbon Steel Ball Valve)(R/ASR)	1032/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 720239-01 NR Watts LFU007M1QT Backflow Preventer)(R/ASR)	1034/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 720239-02 NR Watts LF7R Backflow Preventer)(R/ASR)	1036/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 720257-01 NR HUBBELL Disconnect Switch)(R/ASR)	1038/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 720265-01 NR Gems Sensors FS-550 Flow Switch)(R/ASR)	1040/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (DI-051 (VRS) for PL 72683-02 NR Whirlpool Dryer)(R/ASR)	1042/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72279-01 NR Spears Ball Valve)(R/ASR)	1044/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72279-02 NR Mazzei Model 1078 Injector)(R/ASR)	1048/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72279-03 NR Goulds NPE Centrifugal Pump)(R/ASR)	1050/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (244 HUNDESTED PROPULSION SHAFT & COMPONENTS)(R/ASR)	293/1
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#180 DI-055 (TM) for 573 Allied Stbd Side Handling Unit)(R/ASR)	357/1
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#372 DI-055 (TM) for 073 Pyrotek Noise Control Decidamp Tile & Adhesive Kit)(DARC REV)	742/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#396 DI-055 (TM) for 532a Gems FS-550 Series Paddle-Type Flow Switch)(R/ASR)	793/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#397 DI-055 (TM) for Spears 24320100 Ball Valve)(R/ASR)	795/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#398 DI-055 (TM) for 532a Mazzei Model 1078 Injector)(R/ASR)	797/0

AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#399 DI-055 (TM) for 532a Goulds Model NPE Centrifugal Pump)(R/ASR)	799/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (DI-051 (VRS) for PL 72279-02 ClearWater Tech AERO2US Oxygen Concentrator)(R/ASR)	1046/0