

## SIO Shipyard Representative Bi-Weekly Progress Report

<b>SIO Shipyard Representative Bi-Weekly Progress Report</b>		
<b>Project: AGOR 28</b>	<b>Contract No.: N00014-12-C-0305</b>	<b>Shipyard: Dakota Creek Industries</b>
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<b>Distribution Statement A:</b> Approved for public release; distribution unlimited.		<b>Report No. A002.047</b>

### 1. Meetings:

- i. Participated in weekly conference calls.
- ii. Participated in weekly SSV conference calls with the government.
- iii. Participated in DR 12

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

No questions for this reporting period.

### 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:

- Wave height radar foundation HMR (change order) remains an open issue at this time due to the following:
  - We still do not have a clear picture of the final antenna arrangement from Mackay. The program office is hesitant to commit to a location until the test and trials are done on the Mackay/DCI supplied antennas.
  - The program office feels there is technical risk in adding a foundation to the mast or a pedestal on the deck above the pilot house. The two main concerns being excessive vibration and interference with other antennas.
  - My impression is that it will be more of a problem for Armstrong and that we can use their experience to our benefit. Mike Prince did ask if the two ships could be treated differently and the government seemed receptive to this.
- Allied Main Crane – The Allied DK70-70 Knuckle Boom Crane will not be delivered until May or June 2014. This is very late and is likely to impact Armstrong test and trials schedule. A letter of concern has been issued on by the Government.
- Galley Oven HMR – WHOI & SIO have agreed on a Lang Model ECOD-AT1M Marine Convection Oven or equal. The Government is working on the final wording of this HMR. The addition of a second oven to the galley may necessitate the removal or relocation of the

## Report Documentation Page

*Form Approved*  
*OMB No. 0704-0188*

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1. REPORT DATE <b>23 DEC 2013</b>	2. REPORT TYPE	3. DATES COVERED <b>00-00-2013 to 00-00-2013</b>			
4. TITLE AND SUBTITLE <b>AGOR 28</b>		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) <b>Scripps Institution of Oceanography (SIO), 297 Rosecrans St., San Diego, CA, 98106</b>		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 <b>Approved for public release; distribution unlimited</b>					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT <b>Same as Report (SAR)</b>	18. NUMBER OF PAGES <b>9</b>	19a. NAME OF RESPONSIBLE PERSON
a. REPORT <b>unclassified</b>	b. ABSTRACT <b>unclassified</b>	c. THIS PAGE <b>unclassified</b>			

proofing oven. SIO believes that a second oven is a much higher priority than the proofing oven.

- Stand-alone Auto Pilot – Discussions were held between the operators and government to finalize the wording for this HMR. SIO continues to believe that a separate stand-alone autopilot will provide the necessary redundancy in case of a DP system failure.
- Armstrong Anchor Windlass - The following tests were performed on the anchor windlass:
  - The anchor windlass was powered and run under no load for 30-minutes in each direction. Resistance and voltage readings were taken at 15-minute intervals.
  - 8-shots of chain were loaded to the starboard chain locker and the anchor was housed firmly into its pocket.
  - 8-shots of chain were loaded into the port chain locker. The anchor did not house correctly in that it was about a half a link off when the roller stop was engaged. The removal of one link at the bitter end to rotate the chain 90-degrees may be the solution.
  - No other issues were noted.



- Sally Ride Shell Plate – The penultimate piece of hull plating in the process of fitting.



- Sally Ride 02 Deck – The final, aft section of the 02 deck has been landed onto the 01 Deck House.





- Sally Ride Rudder Fairings – Inspected internals on port and starboard rudder fairings prior to inboard plate fitting. Both rudder posts housing have been installed. Once the fairings are complete the yard will begin fitting the stern tubes.



- Main Masts – Erection of Armstrong’s mast continues with the mast rotated on to its side to add the nav light masts. The erection of Sally Ride’s is just now underway.



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

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A008	STD Report - MASTER EQUIPMENT LIST (MEL) ( MEL 12 10 13 AGOR 27)(R/ASR)	2/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (MAIN POWER CABLE INSULATION RESISTANCE TEST PROCEDURES REV A)(R/ASR)	25/1
AGOR27	A027-16	DWG Report - AUXILIARY SYSTEMS REPORT (FIRE EXTINGUISHING DIAGRAM)(R/ASR)	30/3
AGOR27	A031-03	STD Report - TEST PROCEDURES (POTABLE WATER PUMPS AND PIPING TEST PROCEDURES REV A)(R/ASR)	33/1

AGOR27	A031-03	STD Report - TEST PROCEDURES ( 505-02.4 FLUSHING PROCEDURE FOR STERN TUBE COOLING SYSTEM)(R/ASR)	39/0
AGOR27	A031-03	STD Report - TEST PROCEDURES ( 524-02 UNCONTAMINATED SEAWATER SYSTEM TEST PROCEDURES)(R/ASR)	41/0
AGOR27	A035-19	STD Report - SSV FACTORY ACCEPTANCE TEST (FAT) NOTIFICATION ( SSV FAT NOTIFICATION - SIEMENS MCCS)(R/ASR)	41/0
AGOR27	A031-03	STD Report - TEST PROCEDURES ( 524-03 DECK INCUBATOR SEAWATER SYSTEM TEST PROCEDURES)(R/ASR)	43/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #266 DI-055 (TM) for 573b Smith Berger Marine Model 52-N Hanging Block)(R/ASR)	533/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #267 573d Smith Berger Marine 452-N-LMS Flag Block & Models 322 222)(R/ASR)	535/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #268 DI-055 (TM) for 621a Norac Danacoustic M Ceilings)(R/ASR)	537/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #270 DI-055 (TM) for 665c Dixon Valve Camlock Pipe Caps)(R/ASR)	543/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #272 DI-055 (TM) for 505 Watts Series CSM-81-F Flow Measurement Balancing Valve)(R/ASR)	547/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #273 DI-055 (TM) for 505 Watts Series CSM-61 Flow Measurement Balancing Valves)(R/ASR)	549/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #274 DI-055 (TM) for 504b Kenco K99FL Liquid Level Gauges)(R/ASR)	551/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #275 DI-055 (TM) for 555b Eaton Filtration Model 72 Simplex Basket Strainer)(R/ASR)	553/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #276 DI-055 (TM) for Gems SureSite	555/0

		Magnetic Liquid Level Transmitter)(R/ASR)	
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( DI-051 (VRS) for PL 72005-01 Smith Berger Marine Model 452-N-LMS Flag Block)(R/ASR)	758/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( DI-051 (VRS) for PL 72005-01 Smith Berger Marine Model 452-N-LMS Flag Block)(R/ASR)	758/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( DI-051 (VRS) for PL 72005-02 Smith Berger Marine Model 322 Guide Sheave)(R/ASR)	760/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( DI-051 (VRS) for PL 72005-03 Smith Berger Marine Model 222 Guide Sheaves)(R/ASR)	762/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( DI-051 (VRS) for PL 72005-03 Smith Berger Marine Model 222 Guide Sheaves)(R/ASR)	762/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( DI-051 (VRS) for PL 72730-01 Smith Berger Marine Model 52-N Hanging Block)(R/ASR)	764/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 72111-02 NR Norac Danacoustic M Ceilings)(R/ASR)	766/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 72111-02 NR Norac Danacoustic M Ceilings)(R/ASR)	766/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( DI-051 (VRS) for PL 72649-01 Eaton Filtration Model 72 Simplex Basket Strainer)(R/ASR)	770/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( DI-051 (VRS) for PL 72714-01 Gems SureSite Magnetic Liquid Level	772/0



		Transmitter)(R/ASR)	
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 72718-01 NR Kenco K99FL Gauges)(R/ASR)	782/0
AGOR27	A002	STD Report - DESIGN REVIEW AGENDAS AND MINUTES ( NCE PRESENTATION: Ocean Class AGOR_NCE_DR#12_Rev0)(R/ASR)	79/1
AGOR27	A002	STD Report - DESIGN REVIEW AGENDAS AND MINUTES ( DR 12 TOPICS)(R/ASR)	81/0