

## SIO Shipyard Representative Bi-Weekly Progress Report

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| <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>  |
| <b>Prepared by:</b><br>Paul D. Bueren<br>Scripps Institution of Oceanography (SIO)<br>297 Rosecrans St.<br>San Diego, CA 98106 | <b>Date:</b><br><b>September 23, 2014</b> | <b>Program Officer:</b><br>Robert (Tim) Schnoor<br>Office of Naval Research<br>875 Randolph St<br>ONR 321<br>Arlington, VA 22203-1995 |
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### 1. Meetings:

- i. Participated in weekly conference calls.

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

No questions 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.
- iv. Working on NS5 Hierarchy

### 4. Sally Ride Progress & Operator Concerns:

- Side & CTD Handling Systems – Concerns have been raised over discrepancies in what the actual working reach of both system are. The current load chart indicates 19-feet whereas a minimum of 22-feet is required by the specifications and 24-feet by the CSS. (7, 10 and 12-ft over the side). The government has informed DCI of this and is awaiting a response.
- Steering Room Ventilation – The yard had to modify the ducting in way of the starboard take-up reel's level wind sheave. The duct now drops down below the sheaves area of travel. The encoder mounted on the top of the sheave further reduced the available clearance.



# Report Documentation Page

Form Approved  
OMB No. 0704-0188

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|   |                                    |                                     |                            |   |                                 |
|---|------------------------------------|-------------------------------------|----------------------------|---|---------------------------------|
| 1. REPORT DATE<br><b>SEP 2014</b>   |                                    | 2. REPORT TYPE                      |                            | 3. DATES COVERED<br><b>00-00-2014 to 00-00-2014</b> |                                 |
| 4. TITLE AND SUBTITLE<br><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)<br><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<br><b>Approved for public release; distribution unlimited</b>   |                                    |                                     |                            |   |                                 |
| 13. SUPPLEMENTARY NOTES   |                                    |                                     |                            |   |                                 |
| 14. ABSTRACT  |                                    |                                     |                            |   |                                 |
| 15. SUBJECT TERMS   |                                    |                                     |                            |   |                                 |
| 16. SECURITY CLASSIFICATION OF:   |                                    |                                     | 17. LIMITATION OF ABSTRACT | 18. NUMBER OF PAGES                                 | 19a. NAME OF RESPONSIBLE PERSON |
| a. REPORT<br><b>unclassified</b>  | b. ABSTRACT<br><b>unclassified</b> | c. THIS PAGE<br><b>unclassified</b> |                            |   |                                 |

### Sheave Encoder Clearance



- HVAC – Duct installation continues.
- Pilot House insulation work continues. Window wiper system installation underway in overhead.
- Carpenters are back on Armstrong doing finish work, so no additional work on Ride at this time.
- Electrical – Single electrician working on galley and foc'sle deck wiring in way of joiner work.



Galley range hood with panels & wiring

- Joiner Work – Paneling going up on Foc’sle deck. The yard is not securing the panel until the electricians have a chance to run the wiring as the panels have to be moved to allow access behind. It is a bit cumbersome, but at least they are making progress.



Foc'sle Deck Joiner work

- Painting throughout the vessel continues.



Ride Transceiver Room

- Seawater Piping – Engine overboard piping nearing completion. Missing butterfly valves and de-icing lines.



#### 5. Call-outs:

- No call-outs for Sally Ride since 8/28 as most of the structure is 100% complete. No piping systems are complete and ready for testing as of yet.
- Allied FAT for the main crane is scheduled for the September 28 & 29.
- Yard asked for and received guidance from the operators on the location of the local hydraulic controls for both handling systems on Armstrong.
- Yard asked for and received guidance from the operators on the location of three panoramic rudder angle indicators for Armstrong's Pilot House.

6. 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 720569-01 NR NOSHOK 802-MS Needle Valve)(R/ASR)                      | 1234/0          |
| AGOR27          | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #479 DI-055 (TM) for 252 Kongsberg K-Thrust Electronic Shaft Thruster Lever Mimic)(R/ASR) | 959/0           |
| AGOR27          | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #483 DI-055 (TM) for 505 NOSHOK Model 802-MS Needle Valve)(R/ASR)                         | 961/0           |
| AGOR27          | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #481 DI-055 (TM) for 252 Lilaas Control Levers)(R/ASR)                                    | 965/0           |
| AGOR27          | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #482 DI-055 (TM) for 505 551 Kunkle Relief Valve)(R/ASR)                                  | 967/0           |
| AGOR27          | A031-03 | STD Report - TEST PROCEDURES ( 310-003-3 Shore power Transfer Test Rev -)(R/ASR)   | 149/0           |
| AGOR27          | A031-03 | STD Report - TEST PROCEDURES ( 556-001-2 Hydrostatic Pressure Test of The Hydraulic Systems)(R/ASR)  | 153/0           |
| AGOR27          | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 72013-20 NR Kongsberg K-Thrust Product Description)(R/ASR)           | 1222/0          |
| AGOR27          | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 72013-22 NR Kongsberg DPS K-Pos & K-Thrust Drawings)(R/ASR)          | 1226/0          |
| AGOR27          | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 72013-23 NR Kongsberg K-Thrust Lilaas Control Levers)(R/ASR)         | 1228/0          |
| AGOR27          | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720361-01 NR Kunkle 910 Relief Valve)(R/ASR)                         | 1230/0          |
| AGOR27          | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720474-01 NR Survitec Liferaft)(R/ASR)                               | 1232/0          |
| AGOR27          | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720622-01 NR Bell & Gossett Air Separator)(R/ASR)                    | 1236/0          |
| AGOR27          | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720643-01 NR Griswold Funnel Package)(R/ASR)                         | 1238/0          |
| AGOR27          | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720621-01 NR WATTS Expansion Tank)(R/ASR)                            | 1240/0          |
| AGOR27          | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720228-01 NR Eaton CH Winch Sump Pump Controller)(R/ASR)             | 1242/0          |

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| AGOR27 | A051 | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720228-02 NR Eaton CH Fresh Water Transfer Pump Controller)(R/ASR) | 1244/0 |
| AGOR27 | A051 | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720228-03 NR Eaton CH RO Watermaker Pump Controller)(R/ASR)        | 1246/0 |
| AGOR27 | A051 | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720243-01 NR Mueller 862BC Strainer)(R/ASR)                        | 1248/0 |
| AGOR27 | A051 | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720276-01 NR Eaton CH Scientific Recirc Pump Controller)(R/ASR)    | 1250/0 |
| AGOR27 | A051 | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720296-01 NR Murphy EL150-K1 Level Swichgage)(R/ASR)               | 1252/0 |
| AGOR27 | A051 | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720621-02 NR WATTS Relief Valve)(R/ASR)                            | 1254/0 |
| AGOR27 | A051 | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720623-01 NR WATTS Pressure Reducing Valve)(R/ASR)                 | 1256/0 |
| AGOR27 | A055 | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #477 DI-055 (TM) for 420 DPS HP Compaq MP8300 PC)(R/ASR)                                | 955/0  |
| AGOR27 | A055 | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #478 DI-055 (TM) for 252 Kongsberg K-Thrust Product Description)(R/ASR)                 | 957/0  |
| AGOR27 | A055 | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #480 DI-055 (TM) for Kongsberg K-Pos & K-Thrust Drawings)(R/ASR)                        | 963/0  |
| AGOR27 | A055 | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #484 DI-055 (TM) for 673 Survitec 37-Man Liferaft (USCG SOLAS A Pack))(R/ASR)           | 969/0  |
| AGOR27 | A055 | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #485 DI-055 (TM) for 532a Bell & Gossett Air Separator)(R/ASR)                          | 971/0  |
| AGOR27 | A055 | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #486 DI-055 (TM) for 514 Griswold Model FP-75 Funnel Package)(R/ASR)                    | 973/0  |
| AGOR27 | A055 | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #487 DI-055 (TM) for 532a WATTS Model ETX-30 Pressurized Expansion Tank)(R/ASR)         | 975/0  |
| AGOR27 | A055 | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #488 DI-055 (TM) for 505 WATTS Relief Valve)(R/ASR)                                     | 977/0  |
| AGOR27 | A055 | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #489 DI-055 (TM) for 532f Murphy Model EL150-K1 Level Switch)(R/ASR)                    | 979/0  |
| AGOR27 | A055 | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #490 DI-055 (TM) for 505 WATTS LFU5B Pressure Reducing Valve)(R/ASR)                    | 981/0  |

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| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #491 DI-055 (TM) for 505 Mueller Model 862BC Wye Strainer)(R/ASR)                          | 983/0  |
| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #492 DI-055 (TM) for 532a Eaton - CH Scientific Water Maker Recirc Pump Controller)(R/ASR) | 985/0  |
| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #493 DI-055 (TM) for 524a Eaton CH Winch Sump Pump Controller)(R/ASR)                      | 987/0  |
| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #494 DI-055 (TM) for 532f Eaton - CH Fresh Water Transfer Pump Controller)(R/ASR)          | 989/0  |
| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #495 DI-055 (TM) for 524a Eaton - CH Reverse Osmosis Watermaker Pump Controller)(R/ASR)    | 991/0  |
| AGOR27 | A027-41 | DWG Report - SCIENCE WIREWAYS DIAGRAM (Scientific Wireways Diagram Rev C)(R/ASR)  | 4/0    |
| AGOR27 | A031-03 | STD Report - TEST PROCEDURES ( 555-001-2 HYDROSTATIC PRESSURE TEST OF THE WATER MIST SYSTEM)(R/ASR)   | 155/0  |
| AGOR27 | A031-03 | STD Report - TEST PROCEDURES ( 555-002-2 Flushing Procedure For The Water Mist System)(R/ASR)   | 157/0  |
| AGOR27 | A005    | STD Report - SINGLE SYSTEM VENDOR (SSV) DESIGN REVIEW AGENDAS AND MINUTES ( SSV #7 MINUTES AND SIGN-IN SHEET)(DARC REV)                                     | 48/0   |
| AGOR27 | A027-39 | DWG Report - RESILIENT MOUNTED EQUIPMENT SYSTEM REPORT ( Resilient Mounted Equipment System Report)   | 1/0    |
| AGOR27 | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 72013-21 NR Kongsberg K-Thrust Electronic Lever Mimic)(R/ASR)         | 1224/0 |
| AGOR27 | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720644-01 NR Square D 9012GAW5 Pressure Switch)(R/ASR)                | 1258/0 |
| AGOR27 | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 720660-01 NR Veiga ProPress 2971.1ZL Ball Valve)(R/ASR)               | 1260/0 |
| AGOR27 | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 730314-01 NR Veiga ProPress 2973 Ball Valve)(R/ASR)                   | 1262/0 |
| AGOR27 | A051    | STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS ( PL 730510-01 NR Hubbell RACO J-Box)(R/ASR)                               | 1264/0 |
| AGOR27 | A052    | STD Report - CONFIGURATION DATABASE LISTING (CDBL) ( DI-052 (CDBL) Monthly Submittal #31)(R/ASR)  | 80/0   |
| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #291 202 Siemens Propulsion Control System Description of Operations)(DARC REV)            | 580/0  |
| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #496 DI-055 (TM) for 505 Viega ProPress Model 2973 Ball Valve)(R/ASR)                      | 993/0  |
| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #497 DI-055 (TM) for 505 Viega Model 2971.1ZL Ball Valve)(R/ASR)                           | 995/0  |



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| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #498 DI-055 (TM) for 532b Square D 9012GAW5 Pressure Switch)(R/ASR)                  | 997/0 |
| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #499 DI-055 (TM) for 320 Hubbell RACO Metal Interior 4x4 Junction Box wCover)(R/ASR) | 999/0 |
| AGOR27 | A055    | TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA ( #499 DI-055 (TM) for 320 Hubbell RACO Metal Interior 4x4 Junction Box wCover)(R/ASR) | 999/1 |
| AGOR27 | A059    | STD Report - STUDENT GUIDES ( siemens crew fam Propulsion System Student Guide v 1)(DARC REV)   | 4/0   |
| AGOR27 | A059    | STD Report - STUDENT GUIDES ( #13 DI-059 (Student Guide) for redFox RF-750-M & VCHT)(R/ASR)   | 23/0  |
| AGOR28 | A031-04 | STD Report - TEST REPORT ( 572-002-2 Deck Socket Load Test)(R/ASR)  | 13/0  |
| AGOR28 | A006-08 | STD Report - PURCHASE ORDER (PO) INDEX ( AGOR II PO Index 9-12-14)  | 59/0  |
| AGOR27 | A035-10 | STD Report - PERIODIC SAFETY TEST PROCEDURES (PSTP) ( PSTP)   | 1/0   |