

| SIO Shipyard Representative Bi-Weekly Progress Report                                                                          |                                       |                                                                                                                                       |
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| <b>Project: AGOR 28</b>                                                                                                        | <b>Contract No.: N00014-12-C-0305</b> | <b>Shipyard: Dakota Creek Industries</b>                                                                                              |
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1. Meetings:

- i. Participated in weekly conference calls.
- ii. Allied Portable Crane FAT at Sherwood, OR
- iii. Design Review at Anacortes

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. Operator Concerns:

- SSHD Controls – Waiting to see how this issue is addressed by Markey/Systems Interface. A CTD LARS/SSHD Handling selector switch has not been installed in the Aft Control Station as yet.

Local (topside) Markey Control Panel



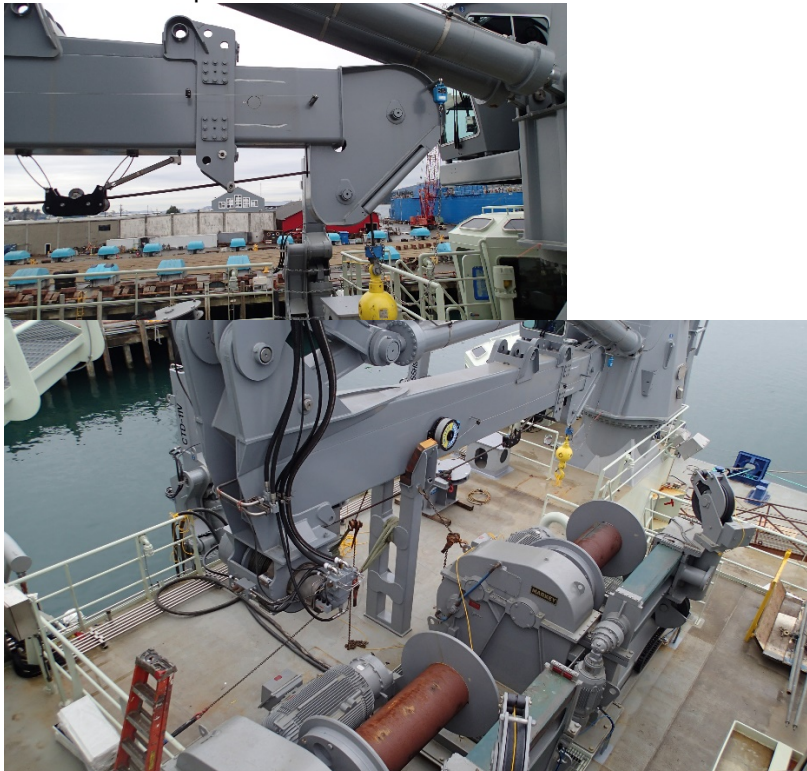
| Report Documentation Page                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |                                     |                                                           | Form Approved<br>OMB No. 0704-0188                  |                                 |
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| 1. REPORT DATE<br><b>13 FEB 2015</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    | 2. REPORT TYPE                      |                                                           | 3. DATES COVERED<br><b>00-00-2015 to 00-00-2015</b> |                                 |
| 4. TITLE AND SUBTITLE<br><b>AGOR 28</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                     |                                                           | 5a. CONTRACT NUMBER                                 |                                 |
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| 6. AUTHOR(S)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                     |                                                           | 5d. PROJECT NUMBER                                  |                                 |
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| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)<br><b>Scripps Institution of Oceanography (SIO), 297 Rosecrans St., San Diego, CA, 92106</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                     |                                                           | 8. PERFORMING ORGANIZATION REPORT NUMBER            |                                 |
| 9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                     |                                                           | 10. SPONSOR/MONITOR'S ACRONYM(S)                    |                                 |
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| 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<br><b>Same as Report (SAR)</b> | 18. NUMBER OF PAGES<br><b>7</b>                     | 19a. NAME OF RESPONSIBLE PERSON |
| a. REPORT<br><b>unclassified</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | b. ABSTRACT<br><b>unclassified</b> | c. THIS PAGE<br><b>unclassified</b> |                                                           |                                                     |                                 |

Aft Control Station Markey Control Panel



- Main Deck Vent Closures – Issue remains open.
- Load Shedding – Awaiting verification that the necessary cables and shut trips have been installed.
- Main Crane Towing & Coring Crutch – The crutch assembly being provided by Allied Systems needs to be demonstrated to prove that it can be used in a safe and practical way.
- Tuff-Mass MLV and Acoustic Tiles – Issue(s) remains open. Nothing new to report.
- Side & CTD Handling Systems – DCI has positioned the crane's stowage crutch and the after fairlead sheave foundation. The aft fairlead foundation was move back to its original location. To provide the for the necessary wire clearance, the crane's telescopic boom must also be extended approximately 19-inches. The aft fairleads foundation has been shortened to allow the winch wire to clear the crane's jib boom. Issues still remain as there may still be interferences when using the alternate handling device for each winch.

Telescopic Boom

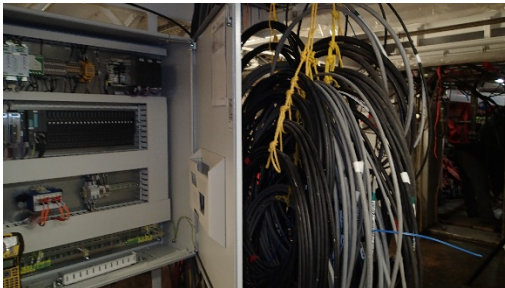


- Emergency Generator Room HiFog- The emergency switchboard is not rate for a space protected by water mist. According to the latest interpretation of the rules, Hi Fog may in fact be allowable in this space if it is considered full flooding. Will continue to monitor. At this time, HiFog piping and nozzles have not be installed in this space.



#### 5. Sally Ride Progress:

- Sally Ride Electrical – Work continues on the 480-volt switchboard and propulsion drives. Electricians have started hook ups in the various control system cabinets throughout the vessel. Siemens IO Cabinet 5 –



- Accommodation Spaces – Stainless faced panels are going up in the galley. A majority of the galley equipment and counters has been landed. Work continues on the foc'sle and 01 deck staterooms & P-ways.

#### Sally Ride Galley



- Piping Systems – DCI has started installation hydraulic piping to Allied deck machinery.



- TK70-70 Crane – DCI is making the preparations to land the main and jib booms to the turret.



- Sally Ride Stern Frame Foundation Bolts – The bolts were previously installed and torqued 360-ft lbs. With the new specifications, the bolts were removed one at a time, lubricated and then torqued to 917-ft lbs. Hardened flat washers were also used with each bolt. Upon completion, each bolt was checked for tightness with torque wrench. Waiting for verification from the yard that no shims were used on Ride.



- Armstrong Sliding Watertight Doors – The doors were commissioned and their operation was successfully demonstrated to USCG and ABS. The all of the doors worked smoothly with no discrepancies. Very impressed with the entire evolution.

6. Call-outs:

No call-outs for Ride this reporting period.

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

| 1st App Hull No | DRL No  | Document Title                                                                                             | Occur No/Rev No |
|-----------------|---------|------------------------------------------------------------------------------------------------------------|-----------------|
| AGOR27          | A002    | STD Report - DESIGN REVIEW AGENDAS AND MINUTES ( DR #18 Minutes)(R/ASR)                                    | 115/1           |
| AGOR27          | A008    | STD Report - MASTER EQUIPMENT LIST (MEL) ( MEL AUGUST 2014 Updated)(R/ASR)                                 | 4/1             |
| AGOR27          | A024    | STD Report - REGULATORY BODY CORRESPONDENCE ( DCI/USCG - Barium Loaded Sulfate (revised))(R/ASR)           | 152/1           |
| AGOR27          | A027-11 | DWG Report - FIRE CONTROL PLAN (AutoCAD)                                                                   | 1/1             |
| AGOR27          | A027-11 | DWG Report - FIRE CONTROL PLAN (AutoCAD)(R/ASR)                                                            | 2/0             |
| AGOR27          | A027-39 | DWG Report - RESILIENT MOUNTED EQUIPMENT SYSTEM REPORT ( Resilient Mounted Equipment System Report)        | 1/1             |
| AGOR27          | A031-03 | STD Report - TEST PROCEDURES ( 541-001-3 Fuel Oil Service & Purification System Operational Test)(R/ASR)   | 217/0           |
| AGOR27          | A031-03 | STD Report - TEST PROCEDURES ( 420-002-5 Dynamic Positioning System)(R/ASR)                                | 219/0           |
| AGOR27          | A031-04 | STD Report - TEST REPORT ( 313-001-3 24 VDC Chargers, Batteries & Alarms)(R/ASR)                           | 84/0            |
| AGOR27          | A031-04 | STD Report - TEST REPORT ( 551-002-3 Start Air Compressors Operation, Blowdown & Distribution Test)(R/ASR) | 92/0            |
| AGOR27          | A031-04 | STD Report - TEST REPORT ( 561-001-3 Steering Gear Operational Test)(R/ASR)                                | 94/0            |
| AGOR27          | A031-04 | STD Report - TEST REPORT ( 624-001-2 Watertight Hatch/Scuttle Tightness Test)(R/ASR)                       | 96/0            |
| AGOR27          | A059    | STD Report - STUDENT GUIDES ( DI-059 (Student Guide) for Hundested)(DARC REV)                              | 20/0            |
| AGOR28          | A006-08 | STD Report - PURCHASE ORDER (PO) INDEX ( AGOR II PO Index 1 16 15)                                         | 62/0            |
| AGOR28          | A007    | STD Report - PURCHASE ORDERS (PO) ( 730859 SIEMENS)(R/ASR)                                                 | 1755/0          |

