NOAA
FY18 Accomplishments and FY19/20 Initiatives
UNOLS RVOC Meeting
04/24/19

CDR Stephen Barry, NOAA
Office of Marine and Aviation Operations
Marine Advisor
Agenda

- NOAA – UNOLS Partnership
- NOAA FY18 Ship Fleet Activities
- NOAA FY19 Scheduling
- NOAA funded days on UNOLS vessels
- Fleet Recapitalization Status
NOAA – UNOLS Partnership

- RVOC, RVTEC, FIC, and Ship Scheduling Meetings
- Schedule optimization between UNOLS operators and NOAA PI’s
- UNOLS ships utilizing NOAA piers
- UNOLS projects on NOAA ships
- Collaborative buoy ops
- Maintenance best practices
  - Mid-life repair periods
NOAA Fleet Highlights FY 2018

- Achieved 84.5% DAS execution rate despite high loss of DAS due to unscheduled maintenance and repairs in Q2 and Q3. Very high execution rate of 99% in Q4!

- Successful start of ASPIRE project in Atlantic

- Hydrographic survey work in Arctic

- Continuation of Post Hurricane Maria hydrographic surveys in Puerto Rico

- Successful completion of worldwide expedition on Ronald H. Brown
NOAA Ships – Days at Sea

2014: 80.0%
2015: 83.4%
2016: 85.1%
2017: 85.0%
2018: 84.5%
2019: 86.5%
### Post Shutdown Fleet Allocation Plan FY 2019

**Output As of 18-Mar-2019**

FY 2019 Fleet Allocation Plan (Oct 1, 2018) Execution Baseline - REVISED FOR POST_SHUTDOWN DATES

<table>
<thead>
<tr>
<th>MOC PACIFIC</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
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<tr>
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<td>165/192</td>
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<td>POOL M</td>
<td>OCEAN M</td>
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<tr>
<td><strong>RNALD E. NICKERSON</strong></td>
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<tr>
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<td>DRYDOCK PERIOD</td>
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<tr>
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<td>CNAG 0</td>
<td>DRYDOCK PERIOD</td>
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<tr>
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<td>CNAG 0</td>
<td>DRYDOCK PERIOD</td>
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<tr>
<td><strong>PERIDNARR R. RASSEY</strong></td>
<td>176/284</td>
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<td>DRYDOCK PERIOD</td>
<td>CNAG 0</td>
<td>DRYDOCK PERIOD</td>
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<tr>
<td><strong>Total Fleet</strong></td>
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<td>155</td>
<td>DRYDOCK PERIOD</td>
<td>CNAG 0</td>
<td>DRYDOCK PERIOD</td>
<td>CNAG 0</td>
<td>DRYDOCK PERIOD</td>
<td>CNAG 0</td>
<td>DRYDOCK PERIOD</td>
</tr>
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**Legend:**
- **Days At Sea (DS):** Days at sea for the vessel.
- **OA:** Operating Area.
- **OC:** Operating Complex.
- **RC:** Regional Center.
- **T:** Tenders.
- **TD:** Tenders Deployed.
- **M:** Maintenance.
- **MID:**中期
- **OCEAN M:** Ocean M.
- **POOL M:** Pool M.
- **CON SEAN:** Columbia Seamount.
- **CULP:** Culp.
- **Gulf O:** Gulf of Mexico.

**Comments:**
- **Shutdown Period:** 12/23/18-1/27/19.
- **Post-Shutdown (V.6a):** March 10, 2019 for Signature.
NOAA Fleet Initiatives FY 2019

- Increased DAS execution rate/reliability
- Expanded & focused planned maintenance periods deferred maintenance; Indefinite Delivery Indefinite Quantity contracts in place for all ships
- Consolidation of all NOAA fleet acquisition to office location
- Fleet maintenance benchmark study ongoing; working with ABS on process improvement
- Enhanced focus on training for shipboard personnel
- Continuation of Respectful Workplace Training
NOAA Funded Projects

R/V Oceanus

R/V Savannah

R/V Pelican

R/V Hugh R. Sharp

R/V F.G. Walton Smith

Office of Marine and Aviation Operations
Fleet Recapitalization

- 4th year of fleet recapitalization funds received

- Desire to stage effort on Class A, B, and C vessels simultaneously
  - Efforts ongoing to expedite procurement schedule for all 3 vessel types

- 3 shipyards awarded contract to provide design specifications for Class A (AGOR) class vessel (1 year design project)
  - NOAA anticipates delivery of the lead ship in 2023 and operational in 2024 with an option for a second ship

- Review currently ongoing to determine feasibility of using existing OSV design specification for Class B vessel
# Fleet Recapitalization (Cont)

- From 2016 NOAA Fleet Plan
- Based on Primary and Secondary Missions

<table>
<thead>
<tr>
<th>Ship</th>
<th>Primary Mission</th>
<th>Secondary Mission(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/V Class A</td>
<td>Oceanographic Monitoring, Research &amp; Modeling</td>
<td>Assessment and Management of Living Marine Resources (no trawl), Charting and Surveying</td>
</tr>
<tr>
<td>N/V Class B</td>
<td>Chartering and Surveying</td>
<td>Assessment and Management of Living Marine Resources, Oceanographic Monitoring, Research &amp; Modeling</td>
</tr>
<tr>
<td>N/V Class C</td>
<td>Assessment and Management of Living Marine Resources (near-shore, shallow-draft)</td>
<td>Chartering and Surveying</td>
</tr>
<tr>
<td>N/V Class D</td>
<td>Assessment and Management of Living Marine Resources (near-shore and deep ocean, longer endurance)</td>
<td>Chartering and Surveying, Oceanographic Monitoring, Research &amp; Modeling</td>
</tr>
</tbody>
</table>
Fleet Recapitalization (Cont)

- Operational Improvements
- Fleet Force Architecture (FFA)
- OMAO Sustainment of Current Fleet
  - Maintenance Plan, Deferred Maintenance Execution
Questions?

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