

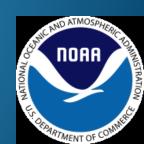
### **RVTEC 2022**

# NOAA Agency Report

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U.S. Department of Commerce
National Oceanic and Atmospheric Administration
Office of Marine and Aviation Operations





# NOAA Agency Report

- Ship and Aircraft Fleets
- Uncrewed Systems
- VSAT and Starlink
- Facilities
- Cybersecurity







### **Aircraft**

- New King Air delivered
- Altius-600 Drone launched from P3 Hurricane lan
- New G550 delivered final outfitting begun







# Ships

#### New Construction

- Class "A" NOAA AGOR Variant (NAV)
  - OCEANOGRAPHER keel laid in June, 60% steel cut, 3 modules under construction, delivery mid-2024 (July/Aug)
  - DISCOVERER keel laid in October, 5% steel cut, 1 module under construction, delivery early-2025 (Jan/Feb)
- Class "B" NOAA Hydrographic Ship Replacements
  - Proposals received and under review expect award early-2023, expect delivery in mid-2027
- Fleet Recapitalization
  - RONALD H BROWN Mid-Life to begin July 2023, complete Oct 2024
  - FSV (DYSON-class) Mid-Life to begin in 2025, complete in 2031



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# **Uncrewed Systems**

- UxS Operations Center Leadership Changes: CAPT Phil Hall Retiring, CAPT Bill Mowitt Assumes command in November, beginning to stall new center in Gulfport, MS
- OMAO transition to operations approach for UxS with targeted initiatives:
  - Autonomous Surface Vehicles (ASV) for acoustic survey operations
    - DriX USV purchased, delivered to UNH in July for acceptance testing and preparations for operations
    - Hydro survey operations (MBR range) from TJ
    - Fisheries survey operations (OTH) from DY



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### **VSAT** and Starlink

#### VSAT:

- Fleet-wide service levels increased to 7Mbps (2Mbps Uplink / 5Mbps Downlink
- RONALD H BROWN service levels increased to 3Mbps Uplink / 10Mbps Downlink

#### Starlink:

- Fleet-wide pilot (12 Maritime Systems)
  - 3 ships dual-antenna, 6 ships single-antenna
- 3 more single-antenna systems purchased this CR period
- 3 remaining single-antenna systems will be purchased next CR period







### **Facilities**

- Charlston, SC
  - Contract awarded to replace pier for RB and NF
- Gulfport, MS
  - New UxS Operations Center moving to Senator Wicker Building in early-2024
- Ketchikan, AK
  - Contract awarded for new Port Operations building and Warehouse and new pier for FA, expect completion late-2023



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# Cybersecurity

#### •SCADA

 Working with ABS to perform vessel assessments to meet new ABS Cyber Certificaton requirements and to develop mitigation strategies

### Shipboard Networks and IT Infrastructure

 Working with OMAO Cyber group to develop upgraded shipboard network designs to replace outdated network infrastructure







### QUESTIONS ???



