

**NOAA**  
**FY19 Accomplishments and FY20 Initiatives**  
**UNOLS Annual Meeting**  
11/21/19



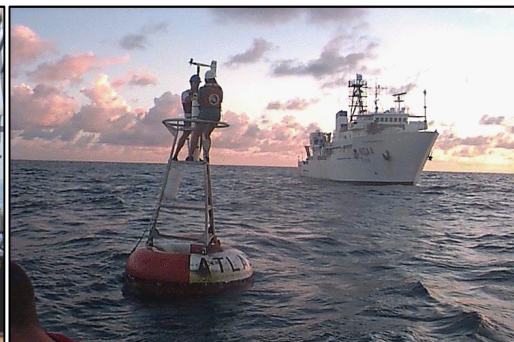
**CDR Stephen Barry, NOAA**  
Office of Marine and Aviation Operations  
Marine Advisor



Office of Marine and Aviation Operations

# Agenda

- NOAA – UNOLS Partnership
- NOAA FY19 Ship Fleet Activities
- NOAA FY20 Fleet Initiatives and Scheduling
- NOAA funded days on UNOLS vessels
- Fleet Recapitalization Status



NOAA's Office of Marine & Aviation Operations (OMAO)

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# NOAA – UNOLS Partnership

- Council, RVOC, 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 Operations
- MRP Planning and Lessons Learned



# FY 2019 Field Season



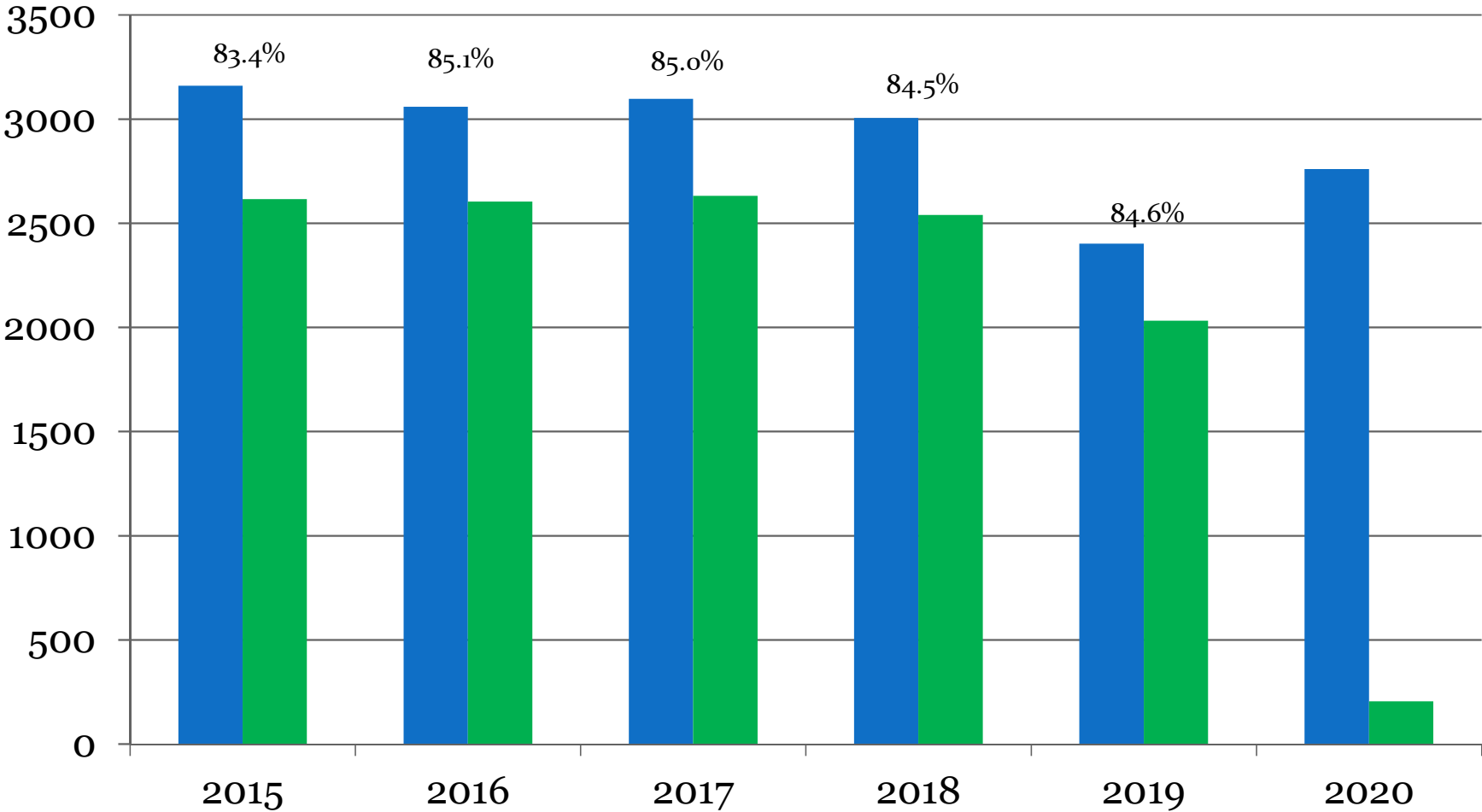
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# NOAA Fleet Highlights FY19

- Significant effort in the Spring and early Summer to recover and reschedule projects and vessel repair periods following 35-day lapse in appropriations.
- Successful continuation of EXPRESS project in Pacific and ASPIRE project in Atlantic.
- Hydrographic survey work in Arctic.
- Continuation of Post Hurricane Maria hydrographic surveys in Puerto Rico.
- Successful modification of *Rainier's* schedule and mission following unexpected unavailability of *Hi'ialakai*, including hydrographic surveys in Hawaiian and Northwest Hawaiian Islands.



# NOAA Ships – Days at Sea



# Fleet Allocation Plan FY20

| MOC PACIFIC          | DAS/OD    | PFD | OCT                           | NOV              | DEC              | JAN                           | FEB              | MAR              | APR | MAY | JUN | JUL | AUG | SEP |  |  |  |  |  |
|----------------------|-----------|-----|-------------------------------|------------------|------------------|-------------------------------|------------------|------------------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
| OSCAR DYSON          | 228/256   | 15  | DRYDOCK PERIOD - LOCATION TBD |                  |                  |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| FAIRWEATHER          | 185/219   | 10  | EX CH                         | CINMS F          | CIN              | DOCKSIDE REPAIRS              |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| RAINIER              | 180/220   | 0   | DRYDOCK PERIOD - LOCATION TBD |                  |                  |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| BELL M. SHIMADA      | 177/203   | 48  | DRYDOCK PERIOD - LOCATION TBD |                  |                  |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| REUBEN LASKER        | 198/216   | 42  | EXPRE HIGH                    | EXPRESS HIGH PR  | DOCKSIDE REPAIRS |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| HI'IALAKAI           | 0/0       | 0   | MOC-P INACTIVE                |                  |                  |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| OSCAR ELTON SETTE    | 218/227   | 35  | WHO 22                        | DOCKSIDE REPAIRS |                  |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| MOC ATLANTIC         |           |     |                               |                  |                  |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| RONALD H. BROWN      | 241/308   | 20  | DRYDOCK PE                    |                  |                  |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| NANCY FOSTER         | 140/149   | 10  | DEEP MID                      | DRYDOCK PERIOD   |                  |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| THOMAS JEFFERSON     | 180/207   | 0   | CH WE                         | CHESA WESTE      | NOS 22           | F CHESAPE WESTERN             | DOCKSIDE REPAIRS |                  |     |     |     |     |     |     |  |  |  |  |  |
| OKEANOS EXPLORER     | 196/267   | 45  | BAHAM HIGH                    | OAR 22           | BAHAM HIGH       | OAR 22                        | DOCKSIDE REPAIRS |                  |     |     |     |     |     |     |  |  |  |  |  |
| OREGON II            | 178/181   | 32  | SEAMAP GULF O                 | SEAMAP GULF O    | SEAM GULF        | DRYDOCK PERIOD                |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| FISCES               | 112/186   | 19  | F                             | DOCKSIDE REPAIRS |                  |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| GORDON GUNTER        | 191/215   | 22  | HAB GULF                      | NORTHEAS         | ECO NOR          | DRYDOCK PERIOD - LOCATION TBD |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| HENRY B. BIGELOW     | 180/180   | 18  | AW                            | ABTS LE WESTERN  | ABTS LE WESTERN  | DOCKSIDE REPAIRS              |                  |                  |     |     |     |     |     |     |  |  |  |  |  |
| FERDINAND R. HASSLER | 155/272   | 19  | O                             | OPR-             | OPR              | OP SO                         | OP SO            | DOCKSIDE REPAIRS |     |     |     |     |     |     |  |  |  |  |  |
| Fleet Totals         | 2759/3306 | 335 |                               |                  |                  |                               |                  |                  |     |     |     |     |     |     |  |  |  |  |  |

Line Office PFD  
 NMFS 203  
 NOS 27  
 OAR 105  
 NWS 0  
 NESDIS 0  
 OMAO 0  
 Total 335

|   |                                 |                     |                             |
|---|---------------------------------|---------------------|-----------------------------|
| Resilient Coastal Communities                             | Climate Adaptation & Mitigation | Healthy Oceans      | Weather Ready Nation        |
| Sea Trials/Transits/Fleet Inspections/Maintenance Periods |                                 | S&T Enterprise: HUE | Program Funded Other Agency |

DAS = Days At Sea; OD = Operating Day; PFD = Program Funded Day; I = Fleet Inspection  
 T = Transit; S = Sea Trial; TS = Transit & Sea Trial; U = Underway Training (e.g. BOTC)  
 SD = Shakedown; ST = Staging; R = Ranging; G = Gear Trial; DSR = Dockside Repairs  
 MSR = Mid Season Repair; RO = Research to Operation; DD = Drydock; PT = Patch Test

COMMENTS:  
 Fleet Council Approval and Signatures - 8/19/2019



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# NOAA Fleet Initiatives FY20

- Increased planned DAS and DAS execution rate
- Shift vessel repair periods to earlier in the fiscal year to allow for earlier start to the field season
- Enhanced focus on training for shipboard personnel
- Initiation of safety survey for all vessels and shoreside support offices
- Continued shift of *Rainier's* operational area and mission to cover loss of *Hi'ialakai*.





# NOAA Funded Projects



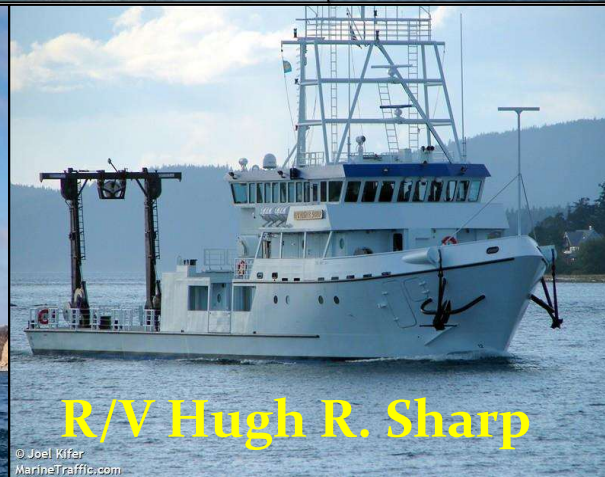
R/V Roger Revelle



R/V Savannah



R/V Sally Ride



R/V Hugh R. Sharp

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MarineTraffic.com



R/V F.G. Walton Smith



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# Fleet Recapitalization

- NOAA AGOR Variant (NAV) source selection process finalized and Phase 1 (Preliminary/Contract Design) awarded FY19Q2
- Currently in the middle of Phase 1 Design Competition with 3 shipyards:
  - Dakota Creek Industries, Inc.
  - Thoma-Sea Marine Constructors, LLC
  - VT Halter Marine, Inc.
- Requirements definition for NOAA R/V Classes B and C underway



# Questions?

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