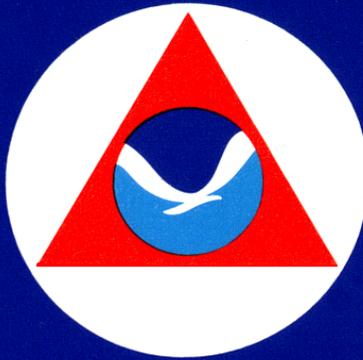


NOAA
FY18 Accomplishments and FY19/20 Initiatives
UNOLS RVOC Meeting
04/24/19



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



Office of Marine and Aviation Operations

Agenda

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



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

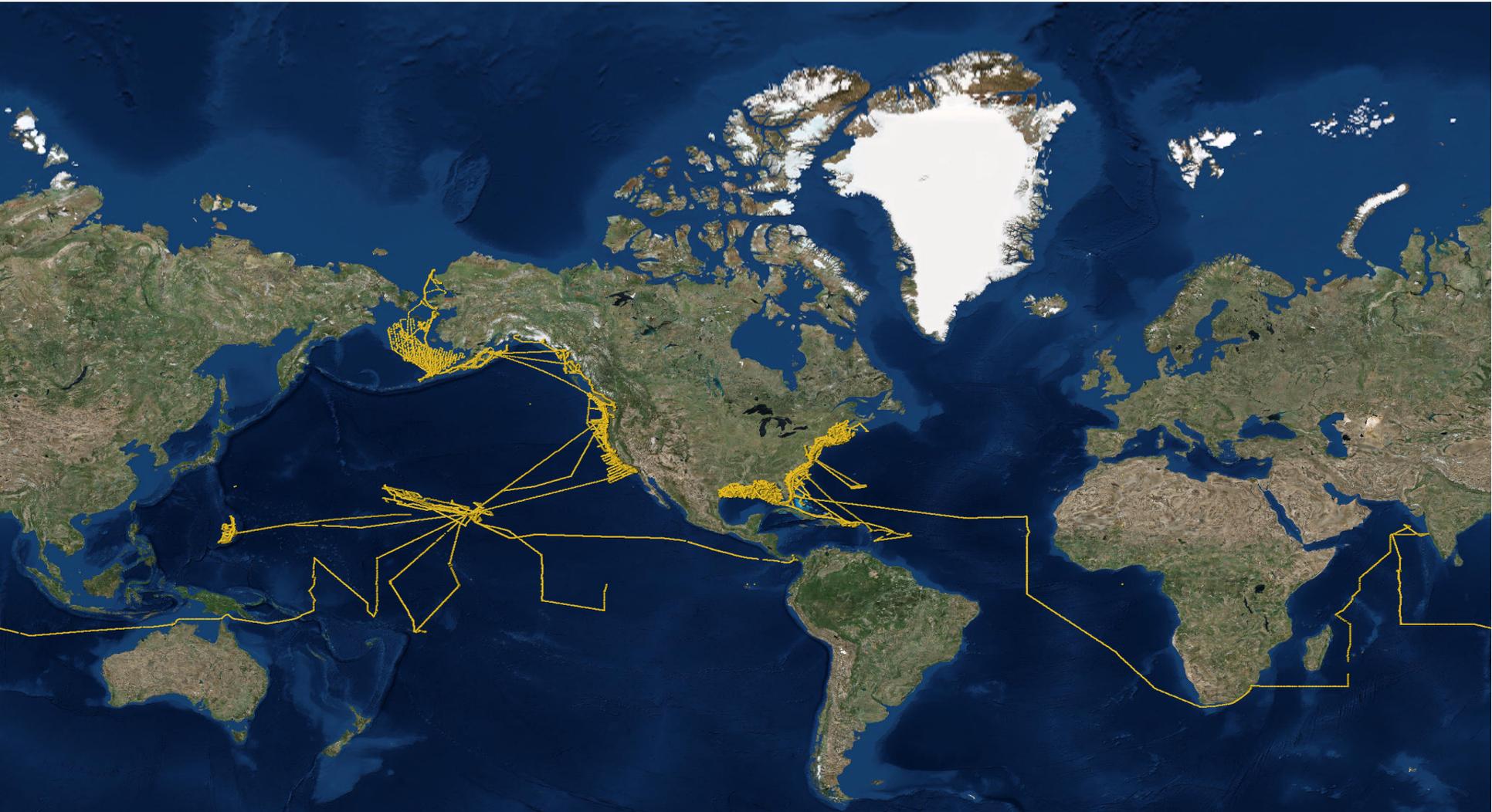
Office of Marine and Aviation Operations

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



FY 2018 Field Season



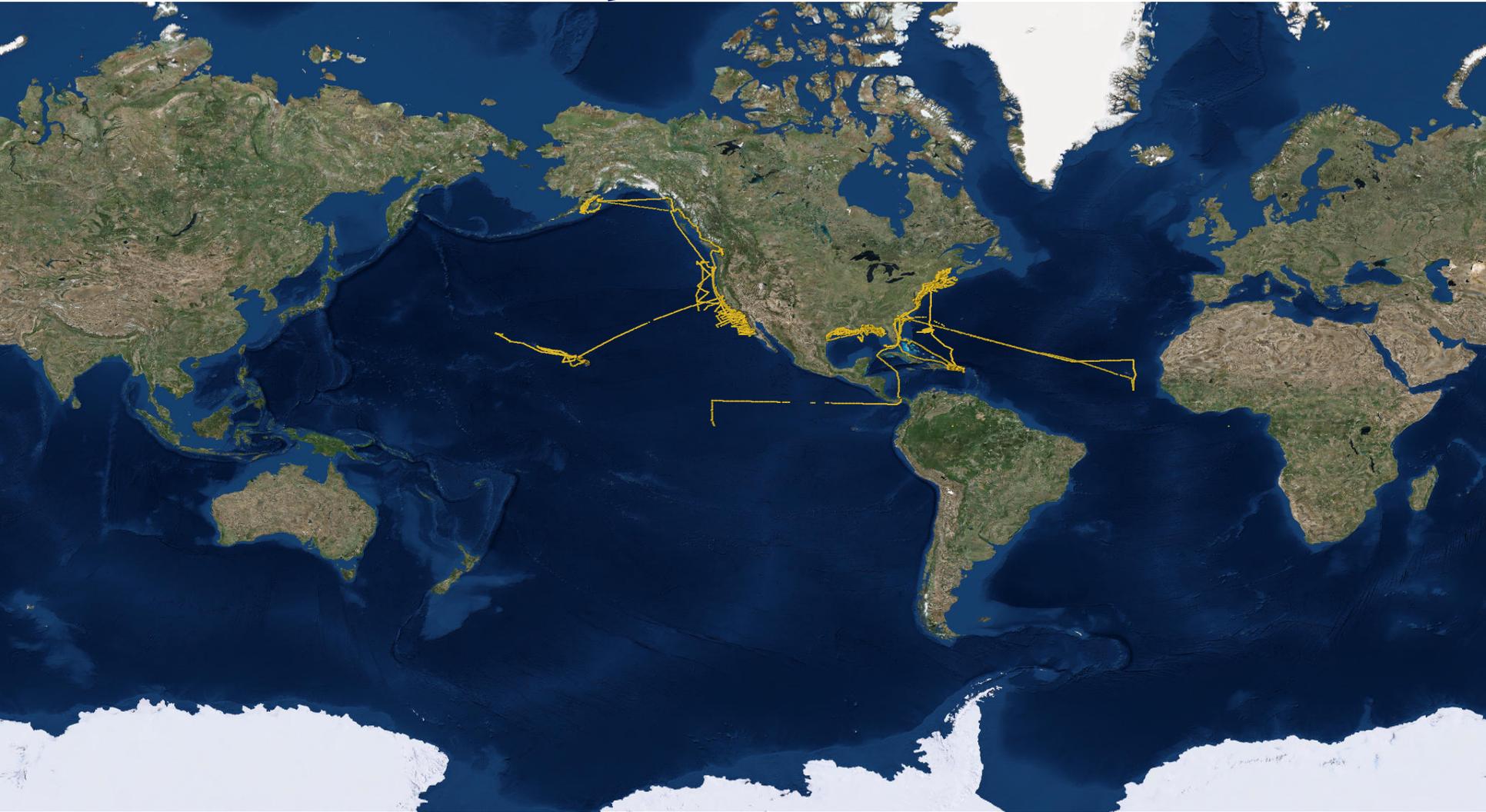
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NOAA Fleet Highlights FY 2018

- 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*

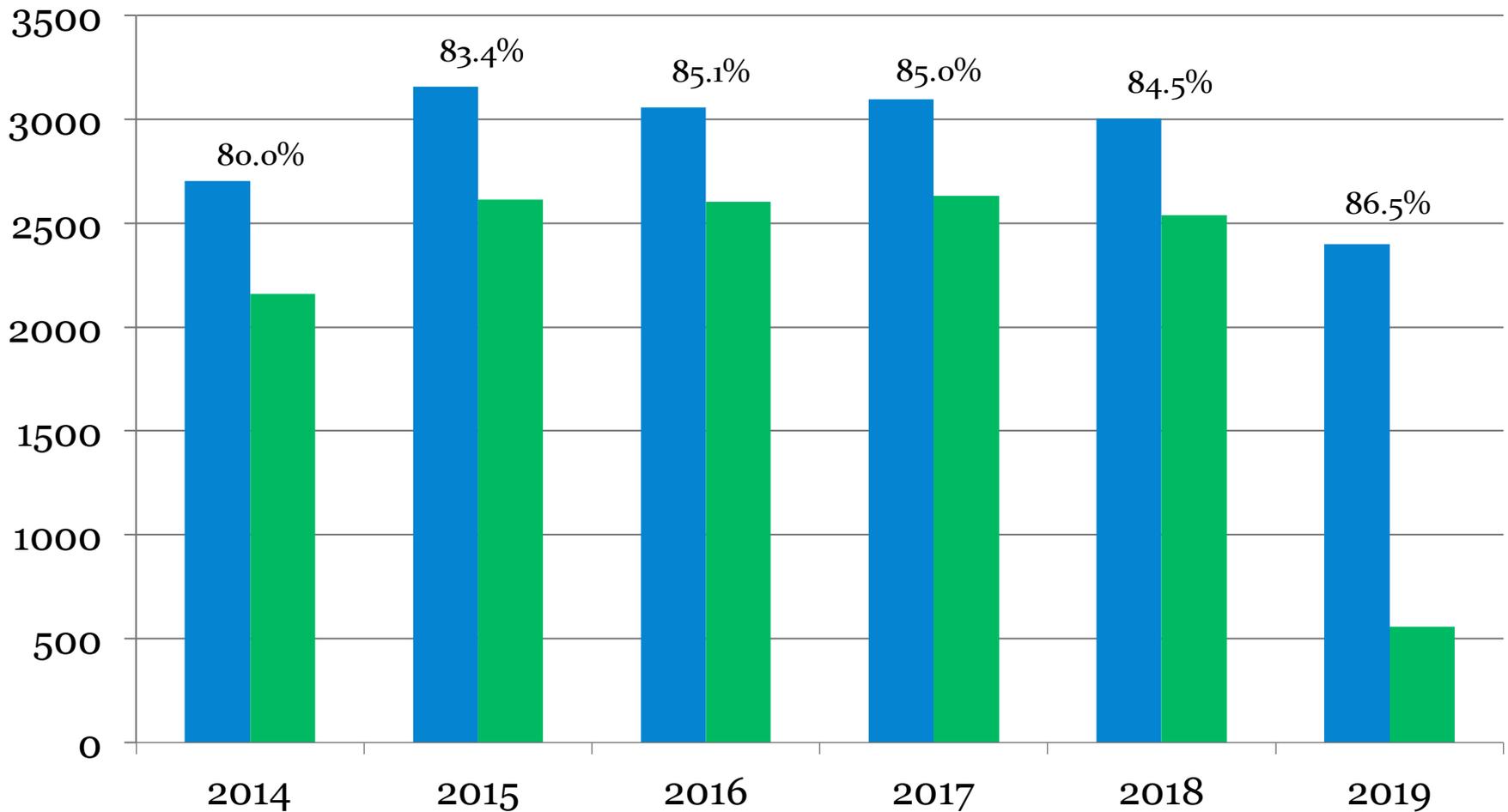


FY 2019 Field Season



Office of Marine and Aviation Operations

NOAA Ships – Days at Sea



Post Shutdown Fleet Allocation Plan FY 2019

Output As Of 18-Mar-2019

FY 2019 FLEET ALLOCATION PLAN
 FY 2019 Fleet Allocation Plan (Oct 1, 2018) Execution Baseline = REVISED FOR POST_SHUTDOWN DATES

MOC PACIFIC	DAS/OD	PFD	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP										
OSCAR DYSON	169/192	0	DRYDOCK PERIOD				OMAO	NCC-WASH	POCI M GULF O	EMA/ NMP5 SHEL 21	POLLO NMP5 GULF 22	POLLO NMP5 GULF 22	POLL NMP5 GULF 21	EMA/PO SOUTHE	EMA/POC SOUTHER	POCI EASTE								
FAIRWEATHER	132/194	8	PU NO	DRYDOCK PERIOD				OMAO	S O H F D	CAPE NE	CAPE EASTE	CAPE NEW EASTERN	CAPE EASTE	CAPE NEW EASTERN	CASCA	MID S	EXPRES EASTER	EXP						
RAINIER	149/215	15	EXPR ONMS	ONMS CH	DOCKSIDE REPAIRS			OMAO	ORT TRAN	POST	TRANSIT	KODIA KODIA	KODIA EASTE	SHIP OMAO	PHOM BI NORTHWE	NOS 25	HARAMP HAWAIIAN	MSR -	TR OF					
BELL M. SHIMADA	194/210	0	EXPRES HIGH P	EXPRES HIGH P	CORC SOUT	DOCKSID OMAO		G R TR	POLLOCK 17	TRA DOCKS OMAO	F NCC WASH	JSOE COAST	JSOE COAS	HAKR SH US WEST	HAKR S US WES	HAKR S US WES	HAKR SH US WEST	H	OC	NCC WASH				
REUBEN LASKER	196/213	16	CALC NMP5 US W 21	CALCURC US WEST	CALCUR US WBS	MINOR DO		CAL MAJOR DOCKSI	OMAO C	CALCOPI SAN DIEG	CA SA	JUVE NMP5 US W 20	JUVE US W	WC P NMP5 US W 20	WC PELAG US WEST	ABS/	OMAO							
HI'IALAKAI	11/11	0	F TRA	DRYDOCK PERIOD				OMAO																
OSCAR ELTON SETTE	175/175	0	MARIN NWHI	MHI BO MAIN H	DOCKSIDE REPAIRS + SHUTDOWN		DELAY		OMAO	G	HICAS HAWAII	HARAMP-I HAWAIIAN	MONK SE NMP5 NORTHWE 27	F	LIFE TERRI		HARAMP HAWAII	HARAMP HAWAII	MONK NMP5 NORTH 24	INSU NMP5 MHI 20				
MOC ATLANTIC																								
RONALD H. BROWN	154/161	12	OMAO	OMAO 22	DOCKSIDE REPAIRS			OMAO	F D	PNE RB-19-02 TROPICAL NORT 39	OAR	DEEP MID A 22	U M	UNOLS NEW JE	T M	MAINT	DP SE	NTAS/MOV OAR NORTHWES 27	G	DRYDOCK PERIOD	OMAO			
NANCY POSTER	147/171	0	NOS GUL	SPA NOR	F	FLOR FLOR	F	DOCKSIDE MAJOR REPAIRS			OMAO MAJOR DOCKSIDE REPAIRS		OMAO	VIIR COAS	C N	CORA NORT	COR F	MAP E CARIB	MAP CAR	GRAY' GRAY'	OC	OC	MID-AT MID TO	BENTH MID T
THOMAS JEFFERSON	110/123	47	PUERT SOUTH	PUERT SOUTH	PUERTO SOUTHEA	F		T DRYDOCK PERIOD				OMAO	T	CH	TRANSIT	FLOWE	LOUISIA GULF OF	LOU GUL						
OKEANOS EXPLORER	180/263	34	ASPIRE ELAKE	NOS 23	FR/US FR/US	OAR 22	CARIBSEA CARIBSEA		SSDG ISM/		TR DRYDOCK PERIOD		OMAO	C S	SHAKE 13	SAB ROV HIGH FR	SAB RO HIGH P 23	MIDATL HIGH F	HALIPA NE SEA	HALIP NE SE 21	F	MID		
ORBGON II	174/186	0	SEMAP GULF O	SEMAP GULF O	SEAM GULF	ENGINE O		F	DOCKSIDE REPAIRS				OMAO	C	SPRING NORTHE	SPRING NORTHE	SUMMER GULF O	SUMM GULF O	SUMM GULF	BOTTOM SOUTH A	BOTTOM SOUTH	BOTTOM SOUTH	BOTTOM SOUTH	
PISCES	161/175	20	PC GU			B P	DRYDOCK PERIOD				OMAO	C	GOM SEAM GULF OF	GOM S GULF	GOM S GULF	GOM SE GULF O	SO ATL EAST C	SEPI S SOUTH	SEPI S SOUTH	ACO	MID S	FALL PL GULF OF	FALL PL GULF OF	
GORDON GUNTER	93/95	0			BRYDE' NMP5 NORTH 25		DOCKSIDE REPAIRS				OMAO	C	B P	F	BRYDE' US GUL	BRYDE' US GUL	BRYDE' US GUL	GOM BR US GUL	MID SE					
HENRY B. BIGELOW	178/178	13	F W	FETS LB WESTERN	FETS L WESTER	DOCKSIDE REPAIRS			OMAO	O	SETS WESTE	SETS WEST	SETS LB WESTERN	SETS LB WESTERN	DP, NE NORTHEA	NE DER NORTHM		NE ECO NORTHE	F	BT WBS	FETS LRG WESTERN	PE WE		
FERDINAND R. HASSLER	178/206	0	OPR-G SOUTH	OPR-G SOUTH	OPR-G SOUTH	T	DRYDOCK PERIOD				OMAO	T	HSSR	TRANS	JACKS	JACKS	JACKS	OPR-G SOUTH	ANNUA OMAO	OPR-G SOUTH	OPR-G SOUTH	OPR-G SOUTH	OPR-G SOUTH	OPR-G SOUTH
Fleet Totals	2401/2768	165																						

Line Office	PFD
NMP5	49
NOS	79
OAR	37
NNS	0
NBSDIS	0
OMAO	0
Total	165

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

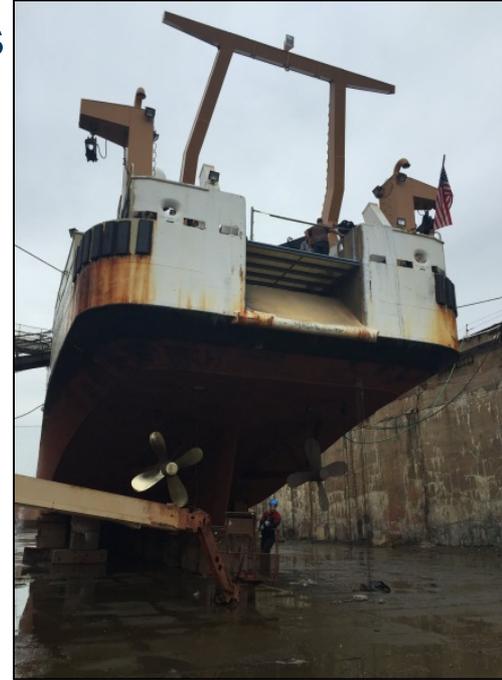
DAS - Days At Sea; OD - Operating Day; PFD - Program Funded Day; I - Fleet Inspection
 T - Transit; S - Sea Trial; TS - Transit & Sea Trial; U - Underway Training (e.g. BOTC)
 SD - Shakedown; ST - Staging; R - Ranging; G - Gear Trial; DSR - Dockside Repairs
 MSR - Mid Season Repair; RO - Research to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

COMMENTS:
 Shut Down Period: 12/23/18-1/27/19.
 Post-Shutdown (V.6a): March 18, 2019 for Signature.



NOAA Fleet Initiatives FY 2019

- Increased DAS execution rate/reliability
- Expanded & focused planned maintenance periods deferred maintenance; Indefinite Delivery Indefinite 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



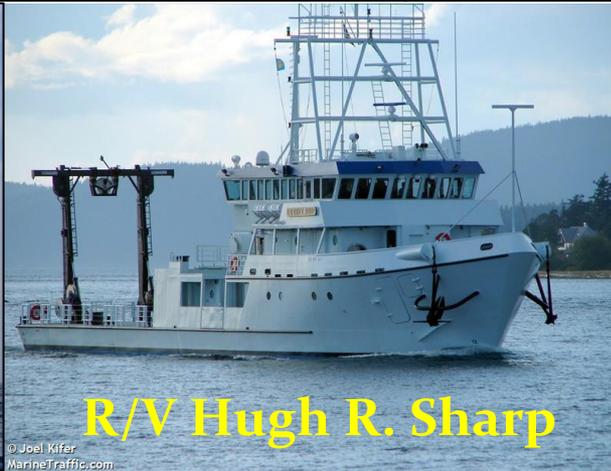
R/V Oceanus



R/V Savannah



R/V Pelican



R/V Hugh R. Sharp

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MarineTraffic.com



R/V F.G. Walton Smith



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

Ship	Primary Mission	Secondary Mission(s)
N/V Class A	Oceanographic Monitoring, Research & Modeling	Assessment and Management of Living Marine Resources (no trawl), Charting and Surveying
N/V Class B	Chartering and Surveying	Assessment and Management of Living Marine Resources, Oceanographic Monitoring, Research & Modeling
N/V Class C	Assessment and Management of Living Marine Resources (near-shore, shallow-draft)	Chartering and Surveying
N/V Class D	Assessment and Management of Living Marine Resources (near-shore and deep ocean, longer endurance)	Chartering and Surveying Oceanographic Monitoring, Research & Modeling



Fleet Recapitalization (Cont)

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



Questions?

- CDR Stephen Barry, NOAA
stephen.barry@noaa.gov
301-713-7890

