

# NOAA Office of Marine & Aviation Operations



2016 RVOC Meeting

LCDR Tracy Miller



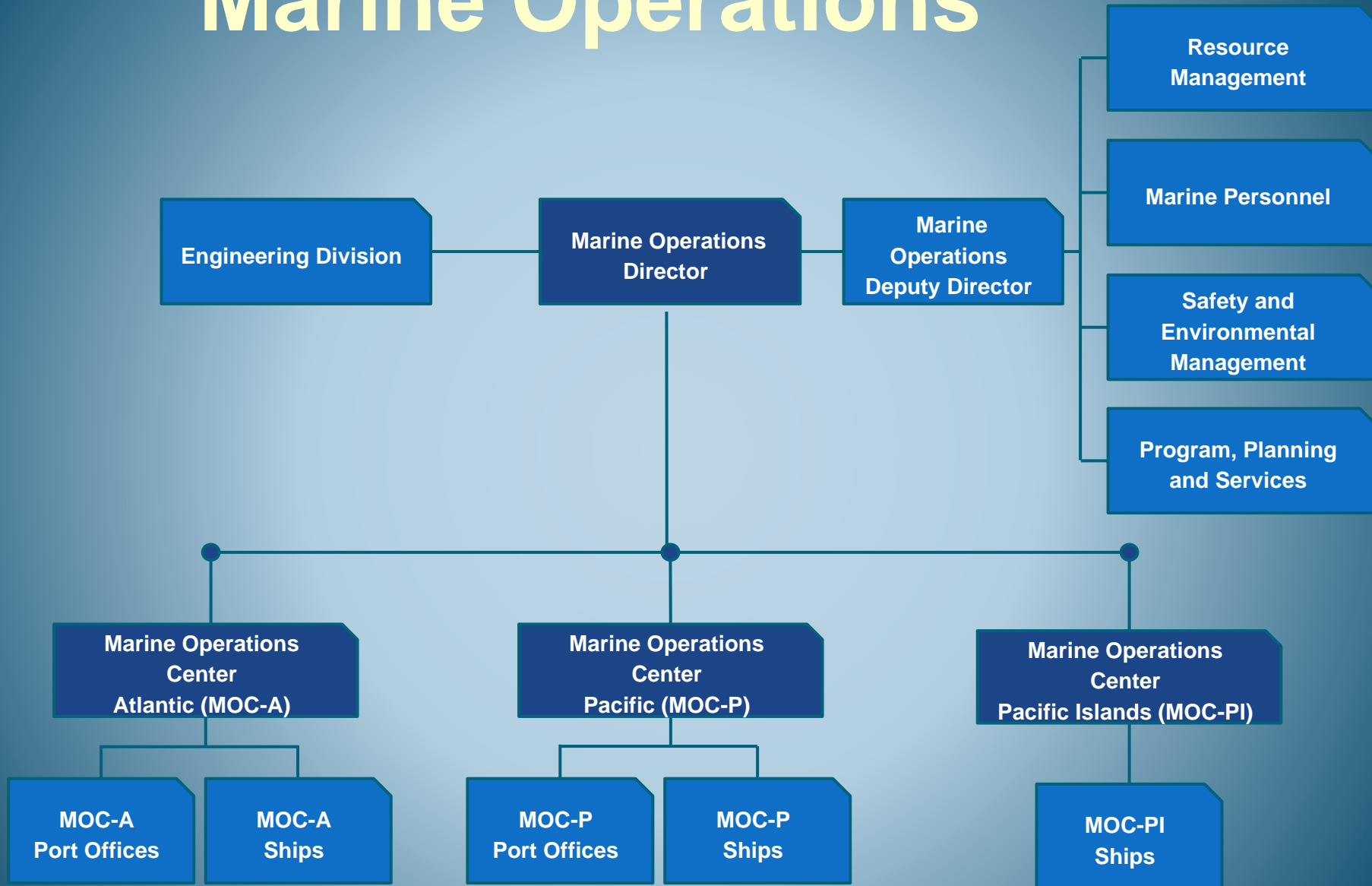
# Environmental Intelligence

## Environmental Intelligence

- Living Marine Resource Surveys
  - Fish Stock Assessments
  - Marine Mammal Surveys
  - Biological Sampling
  - Ecosystem Assessments
  - Habitat & Coral Reef Mapping
  - Coastal Monitoring & Oceanographic Buoys
- Hydrographic Surveys
- Science & Technology- Ocean Exploration

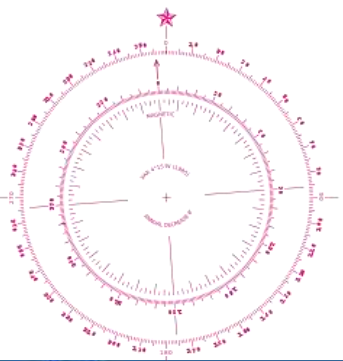
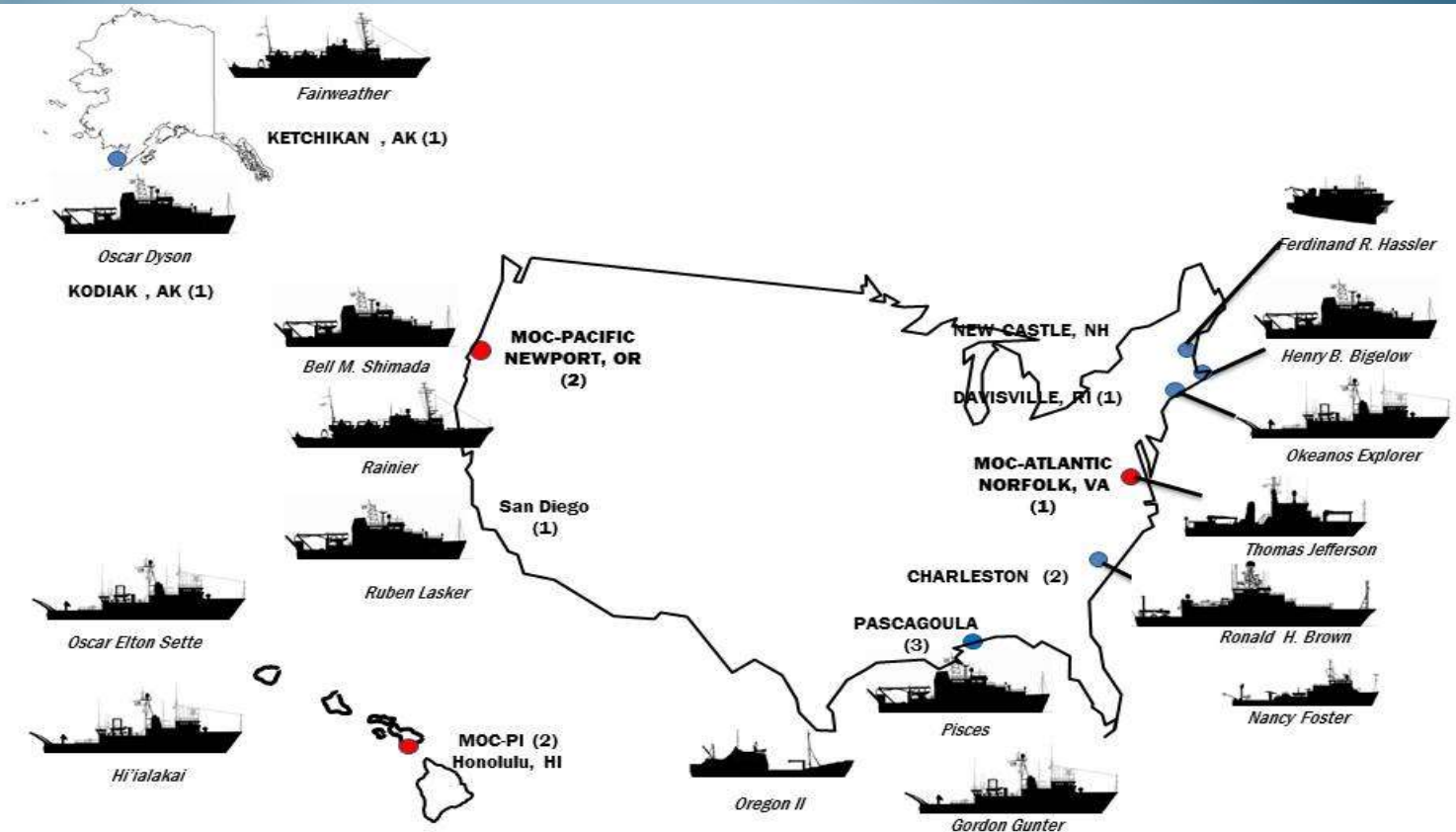


# Marine Operations





# NOAA's Ships



Office of Marine and Aviation Operations





# NOAA Fleet Status

FY16 Planned: 3,059 days at sea, accomplished 830 DAS by April 1st

- *Ronald H. Brown* - 2 TAO servicing cruises, ECS Mapping, 2 NSF projects (barter), West coast Ocean Acidification, ending with dry dock
- *Okeanos Explorer* - Conducting exploration and mapping around Wake Island Atoll and Mariana Trench Marine National Monument
- *Nancy Foster* - Ops in the Caribbean, then SE Atlantic and Gulf of Mexico assessments
- *Fairweather & Rainier*- multiyear surveying Kodiak Island, Prince of Wales Island, new survey of Etolin Strait, AK
- *Reuben Lasker* - Fully operational/ 216 DAS west coast fisheries and marine mammal surveys
- *UxS to operations: Wave gliders, AUV's, and ASV's*





# FY2016 Fleet Allocation Plan

FY 2016 Fleet Schedule Version: OMAO Scheduler's FINAL FY2016 President's Budget Fleet Allocation Plan Type: Primary Version Schedule Level: OMAO

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep							
- MOC PACIFIC																			
OSCAR DYSON 223/249	3 SE Fall to 5	6 Tra to 1	3 Dockside Repairs		Shakedown and Staging	3 T 1	3 T 1	4 T 1	11 Walleye Pollock	1 Fi In	7 Wal Pollock	16 Walleye Pollock	2 U P	28 Ice-associated seal ecology	N 12 EcoFOC spring	23 EMA-FOCI larval Groundfish	N 30 Walleye Pollock EBS Summer Survey	N 29 EMA-FOCI age-0 groundfish and salmon recruitment	N 7 Eco fall
FAIRWEATHER 168/275	N	38 SE Alaska - Fall 2015	3 Dockside Repairs			NHPOD		NHPOD	Fi In	NHPOD	3 T	40 SE Alaska - Spring #1		41 Kodiak, AK - Spring #1FA	20 Integrated Seafloor	MSR	23 Kodiak, AK - Spring #1FA		
RAINIER 181/214	27 Kodiak, AK - Fall			3 Drydock Period			4 Shakedown and Staging	34 Olympic Coast, Integrated Ocean and Coastal Mapping Project	N 11 Kodiak, AK -	N 11 Fi In	25 Kodiak, AK - Spring #2		N 77 Arctic Survey #2						
BELL M SHIMADA 226/254	3 T	7 North Gulf	Dockside Repair	Shakedown and Staging	1 Fi In	30 Pacific Hake Spawning Biomass Acoustic Survey	N 5 Na G	21 SRKW Critical Habitat	8 201 We	29 Spring CalCOFI	N 12 Patterns in	N 5 Ca Cu	N 12 Sanctuaries Ecosystem	Mid Seasc Repair	15 2016 Pre-recruit	30 Joint Pacific Hake and Sardine Integrated Acoustic-Trawl Survey			
REUBEN LASKER 216/232	37 West Coast Marine Mammal Survey (Part 2)			25 Winter CalCOFI		UWILD/Dockside		1 Spring Coastal Pelagic Species (CPS) Survey	N 45 Juvenile Rockfish Survey		30 Summer Coastal Pelagic Species (CPS) Survey		48 ESA-Listed Cetacean Survey (Part 1)						
HI'IALAKAI 156/156	1 Fi In	12 MHI Bottom	14 FY18 Marine		Dockside Period		Shake	1 S T	21 Hawaiian Monk Seal Population	25 FY18 Northwest Hawaiian	9 WHOI WHOI	72 Hawaiian Archipelago Reef Assessment and Monitoring Program (HARAMP)							
OSCAR ELTON SETTE 204/218	Fi In	12 Transit to	Drydock Period		12 Transit to	5 Sh Tn	10 Transit to	N 30 FRMD Life History Program: American Samoa	NH	25 PIFSC American Samoa Insular	N 10 Transit	Mid Serv Recal	18 Kona Integrated Ecosystem	30 Hawaiian Islands Cetacean Ecosystem	30 Hawaiian Islands Cetacean Ecosystem	22 Hawaiian Monk Seal Population			
- MOC ATLANTIC																			
RONALD H. BROWN 187/254	Dockside Repairs	2 Sh T	38 Tropical Atmosphere-Ocean (TAO) Buoy O&M Primary Request	NHPOD	3 M C	30 Kingman Palmyra ECS Mapping	NH	32 Tropical Atmosphere-Ocean (TAO) Buoy O&M	NHPO	27 Collaborative Research: Dintrosen	NHPO	34 2016 West Coast Ocean Acidification Survey	NH Fi In	17 Papa Global Site of the	N 4 T to	Drydock			
NANCY FOSTER 188/214	20 Mapping Essential Fish Habitat in the		Mid Season Repair	13 VIIRS Ocean	Fi In	3 T to	Drydock Period		Si 4 Tn	27 Mapping Essential Fish Habitat in the US	N 25 Climate Impacts on Larval Atlantic Bluefin	N 26 Coral Reef Ecosystem Research	10 South Region	N 15 Hypoxia Monitoring	N 18 Florida Keys National	27 Mapping seafloor habitats on the SE US			
THOMAS JEFFERSON 151/165	44 Savannah, GA		11 Approac to			2 Drydock/Prog Maint/Install EM710			2 Tn		2 Si 5 Tn	12 Habitat Mapping	12 Approac to	1 Fi In	60 Approaches to Jacksonville, FL				
OKEANOS EXPLORER 197/273	N 12 Transit to	Drydock/Progressive Maintenance		13 Transit &	N 12 CAPSTONE 2016:	NH	23 CAPSTONE 2016: Preliminary	NHPO	67 CAPSTONE 2016: Commonwealth of Northern Mariana Islands (CNMI) and Mariana Trench Marine National Monument (MTMNM) ROV and Mapping	NHPOD	22 Campaign to Address the Pacific	NH	24 Campaign to Address the Pacific	22 CAPSTONE 2016:	NHPOD	1 Fi In			
OREGON II 170/174	41 SEAMAP Fall Shrimp/Bottomfish Survey			Dockside Repairs		Shakedown and Staging	Fi In	30 SEAMAP (Southeast Area Monitoring and		38 SEAMAP Summer Shrimp/Bottomfish Survey	M3	60 SEFSC Shark/Red Snapper Bottom Longline Survey							
PISCES 196/234	44 Caribbean Reef Fish Video Survey		4 B	Dockside Repairs		Shakedown and Staging		50 Gulf SEAMAP Reef Fish Video	N 18 South Atlantic Biot	1 Fi In	32 SouthEast Fishery-Independent Survey (SEFIS) formerly South	11 Pisces Bottom	Mid Season Repair	17 Distribution Ecology	NH	10 Benthic Habitat			
GORDON GUNTER 230/259	25 Ecosystem Monitoring (EcoMon)	3 Drydock Period		4 Shakedown and Staging	30 SEAMAP (Southeast Area Monitoring and	Fi In	10 Spring Cetac	44 N. Atlantic right whale biology	N 29 Cetacean and turtle biology		55 Southeast U.S. Atlantic Marine Mammal & Seabird Assessment		30 SEAMAP (Southeast Area Monitoring and						
HENRY B. BIGELOW 224/282	32 NEFSC Bottom Trawl Survey Autumn - October/November	10 Gulf of	4 T to	Drydock/Progressive Maint		11 Shaked Sea	N 3 G T	50 NEFSC Bottom Trawl Survey Spring	21 E	17 Ecosystem Monitoring	Mid Season Repair	80 Summer Cetacean and Turtle Abundance	N 8 G T	23 NEFSC Autumn Bottom Trawl Survey -					
FERDINAND R. HASSLER 142/205	NHPOD	3 Dockside Repair		4 Tn	Shakedown		50 Approaches to Chesapeake Bay, VA	NH	3 T to	Drydock Period		4 Tn	4 Tn	77 Approaches to Wilmington, NC					

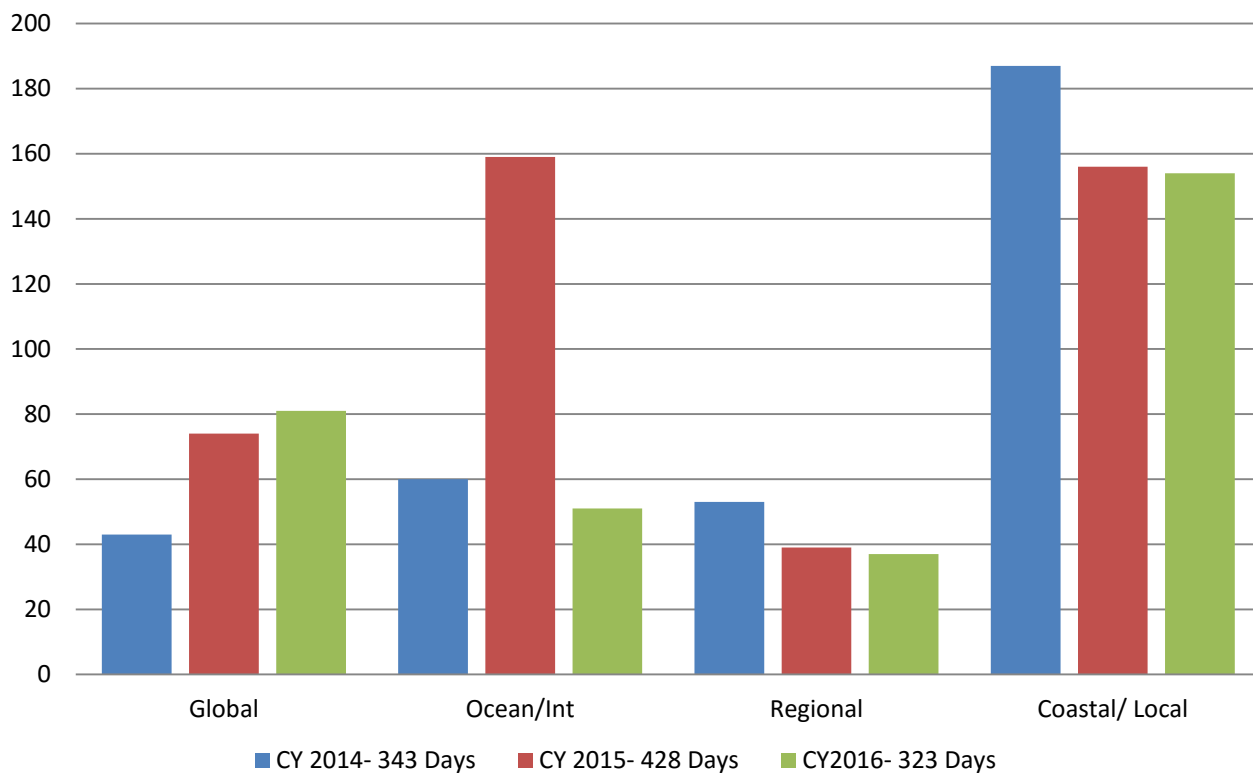




# NOAA Funded UNOLS charters

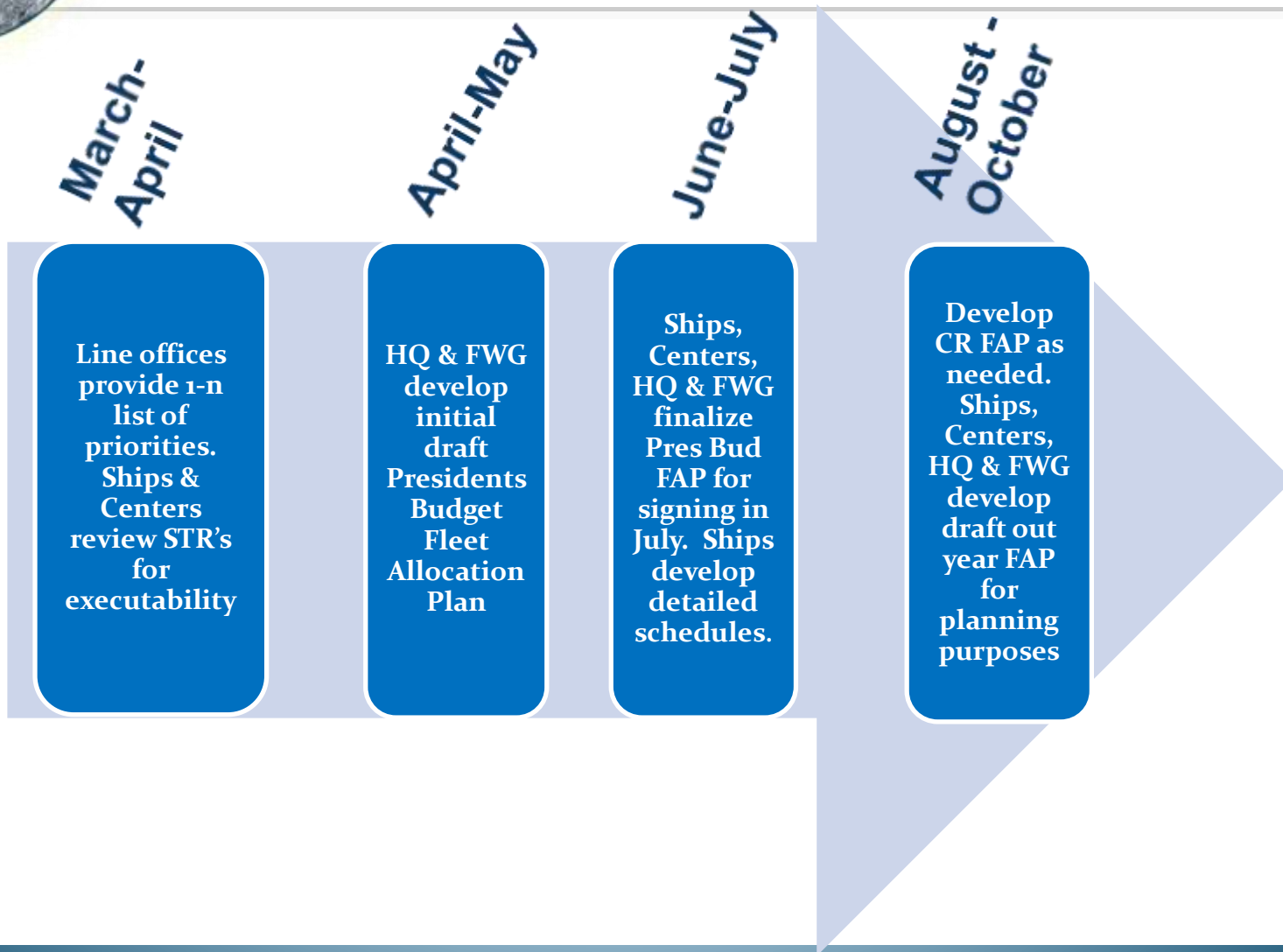


NOAA Funded days by ship class





# NOAA Fleet Scheduling







# Fleet staffing initiatives

- Assessed two rotational staffing models- licensed engineers
  - Blue/Gold and A/B/C Crew
  - This FY, expanding A/B/C Crew on 5 more ships
- Licensed engineer support contract
- Successful MEBA negotiations



# Fleet Maintenance

- IDIQ's for dry dock and dockside repair periods
- Progressive Maint. Program
- Long lead time fleet spares program

# Questions?

Photo credit: NOAA

