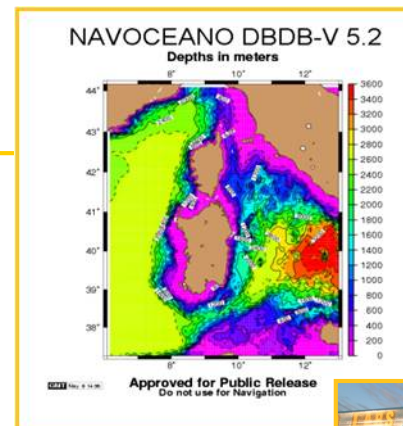
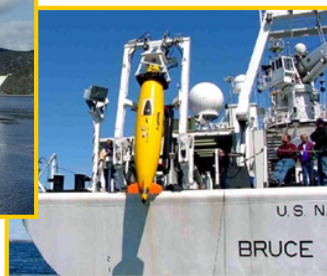




NAVAL OCEANOGRAPHIC OFFICE



COMMAND BRIEF

*This Brief is Approved for Public Release;
distribution is unlimited.*

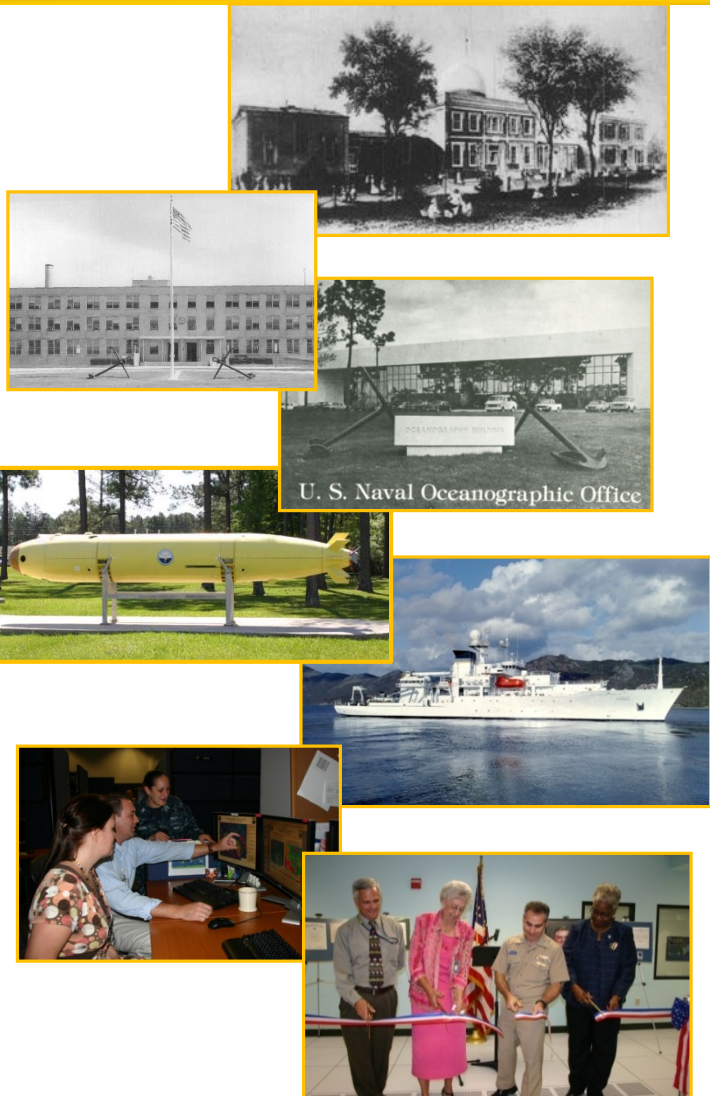


CAPT Ron Piret, Commanding Officer
CAPT Ivo Prikasky, Executive Officer
Mr. Mark Jarrett, Technical Director
AGCM Chad Goff, Senior Enlisted Advisor



Naval Oceanographic Office

History and Milestones



- 1830 Depot of Charts and Instruments established; later renamed U.S. Hydrographic Office
- 1962 Renamed U.S. Naval Oceanographic Office
- 1977 Relocated from Washington, D.C. to Stennis Space Center, Miss.
- 1987 Operational Oceanography Center established
- 1991 Supercomputer became operational
- 1994 T-AGS 60 Class military survey ships became operational
- 2000 Inaugural Underwater Unmanned Systems operations.
- 2004 Began daily runs of world's only 3-D Operational Global Ocean Model
- 2005 Restructured as Oceanographic Reach-Back Center to support Naval Operations
- 2008 Began Maritime Homeland Defense surveys of U.S. Military installations
- 2011 Daniel H. Williams Oceanographic Information Technology Center Dedicated



Mission

To optimize sea power by applying relevant oceanographic knowledge in support of U.S. National Security





Vision

We will assure the Navy's oceanographic knowledge superiority and reduce risk by providing the forecast battlespace through:

Smart Collection

(Focused on ASW, MIW, NSW & EXW needs)

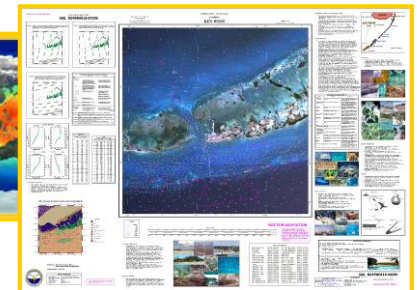
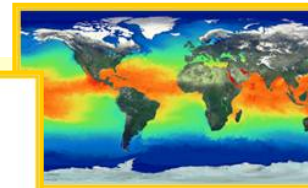
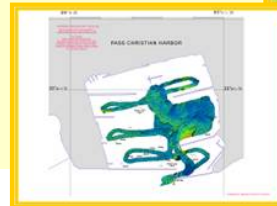


Focused Analysis

(Direct Support)

Responsive Delivery

(Decreased turnaround time)





Naval Oceanography

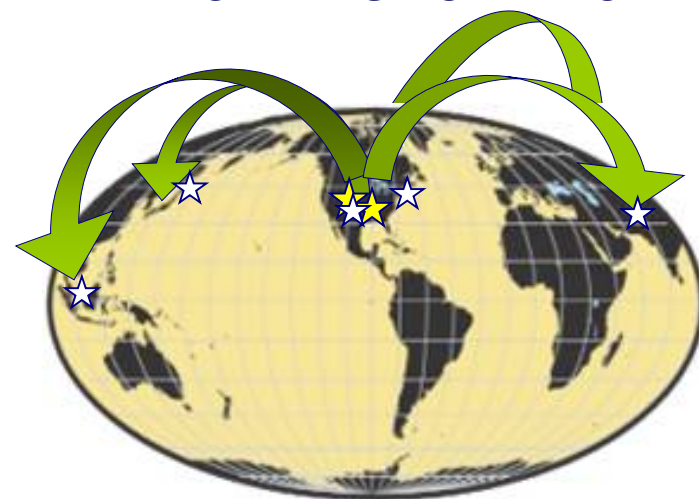
WARFIGHTING FOCUSED



Naval Oceanography Operations Command

Warfighting
Safety
Shaping

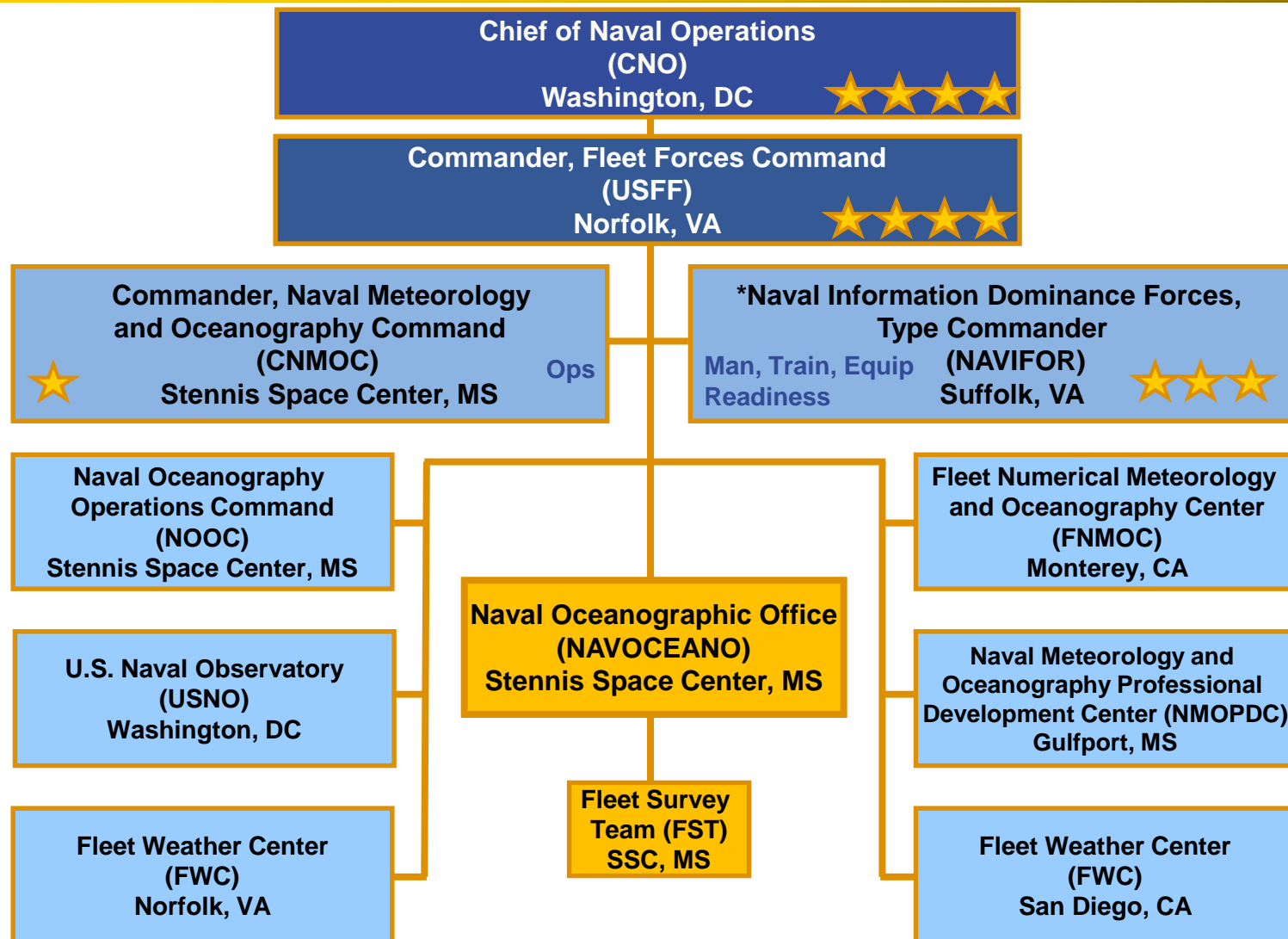
KNOWLEDGE-CENTRIC



Teamwork
Technical Excellence
Clear Communications
Manage Risk
Measure Results
Continuous Improvement

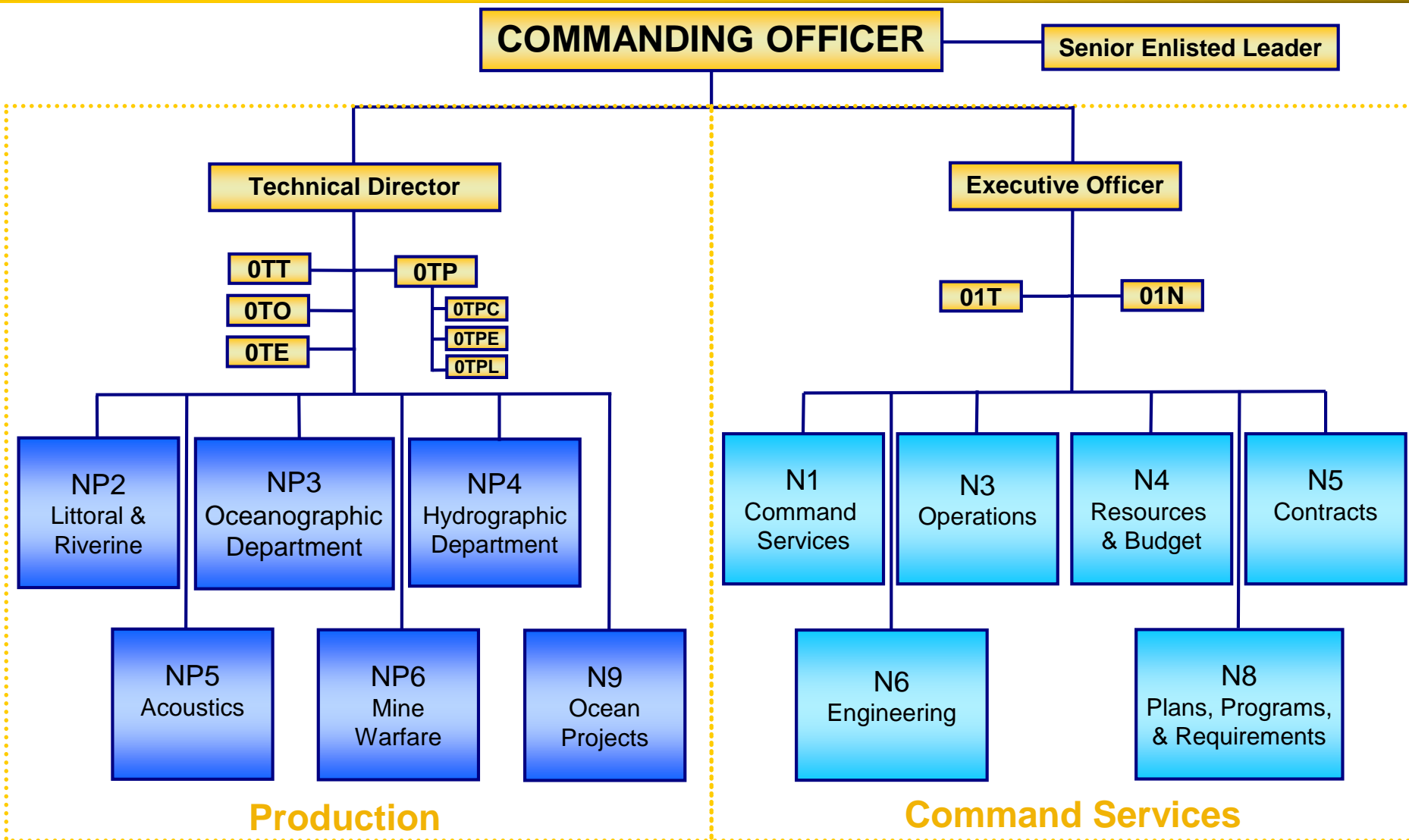


Fleet Aligned





NAVOCEANO Organization





Highly Skilled Operational Oceanography Workforce



NAVOCEANO

Over 800 Civilian, Contractor and Military personnel

Fleet Survey Team

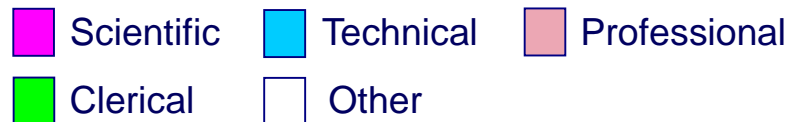
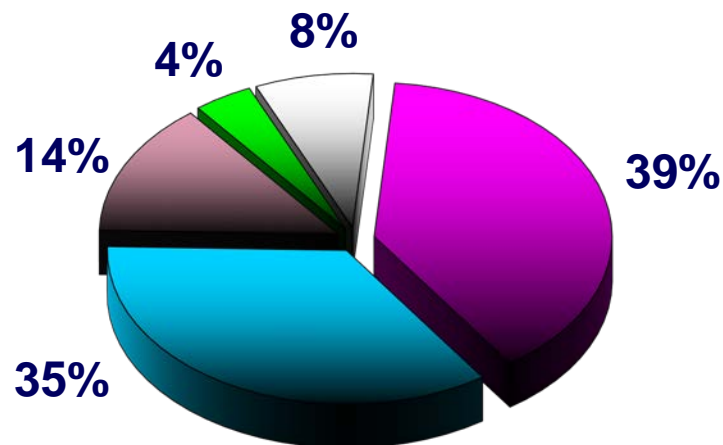
Over 50 Military and Civilian personnel

Total Workforce:

Over 800

NAVOCEANO Personnel

Education	% Total NAVO Workforce
Ph.D.	5%
M.A./M.S.	23%
B.A./B.S.	43%
Associate Degree	11%
Other	18%





Core Competencies

MIW



**GEOSPATIAL
INTELLIGENCE**



BATHYMETRY



HYDROGRAPHY



Fleet OPS

CSG

ESG

USMC

SPECOPS

NSW

NECC

ISR



GEOPHYSICS

ASW



ACOUSTICS



**PHYSICAL
OCEANOGRAPHY**





Collection and Processing Assets

**Military Survey Ships (T-AGS)
w/HSL**

Fleet Survey Team (FST)

Airborne Coastal Survey Program

**Underwater Autonomous
Vehicles (UUV) / Sea Gliders**

Profiling Floats

Drifting Buoys

Naval Platforms (TTS)

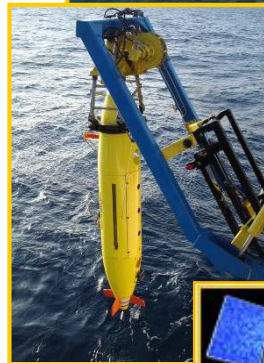
Satellites

Maury Oceanographic Library

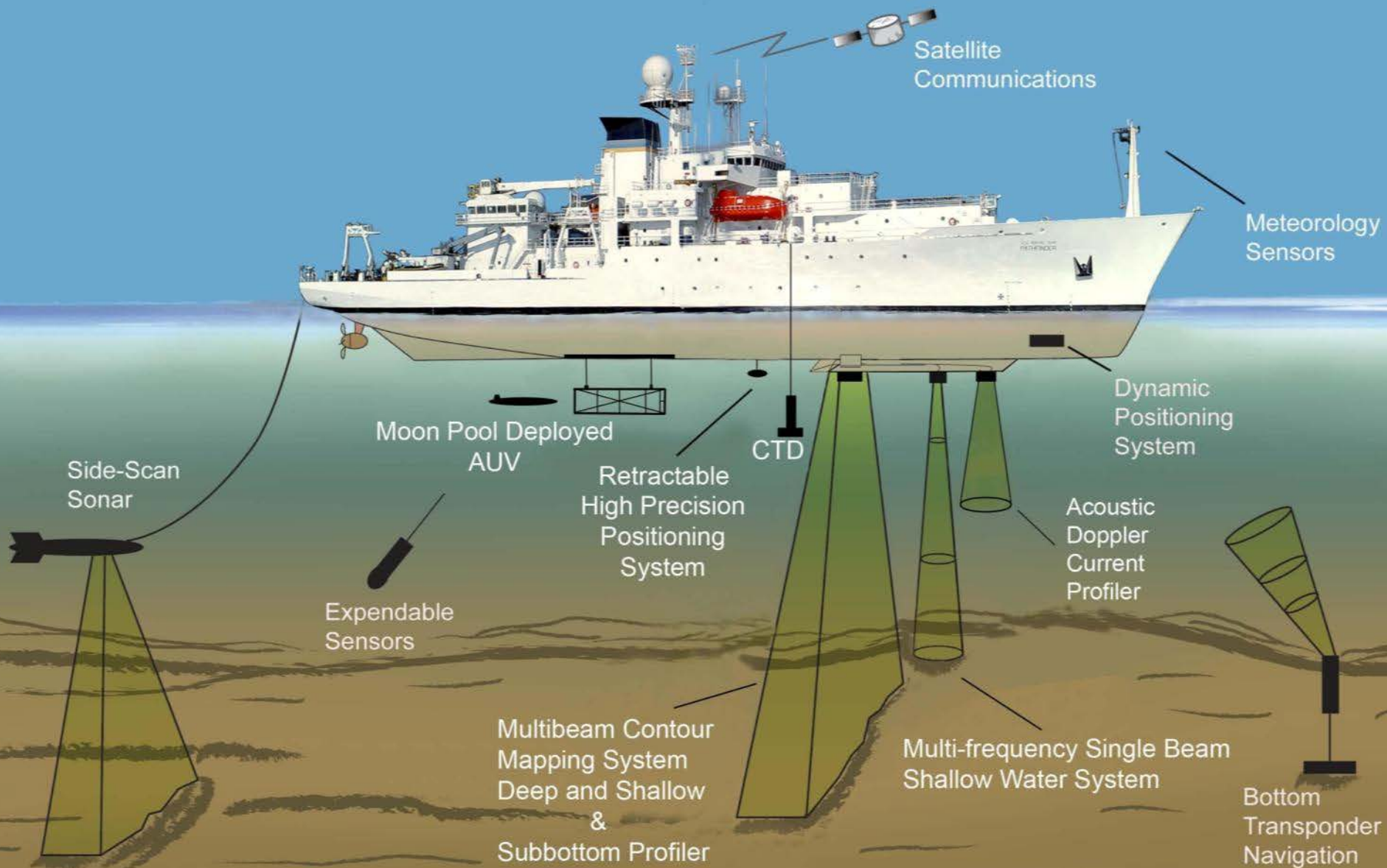
**High Performance Computing
(DSRC)**

**National and International Data
Exchange Agreements**

Data Warehouse



T-AGS Oceanographic Survey Ship

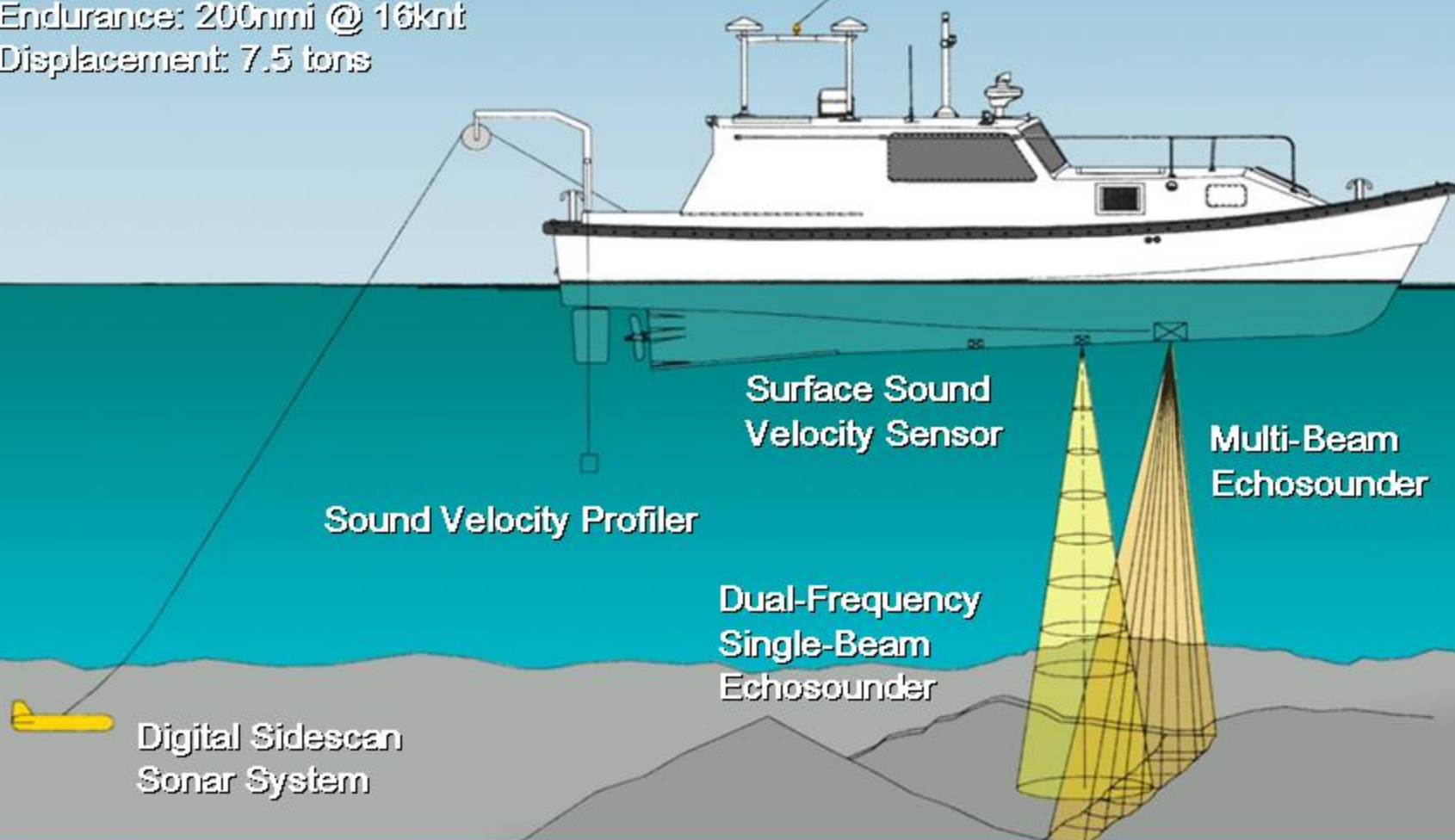


Hydrographic Survey Launches (HSL)



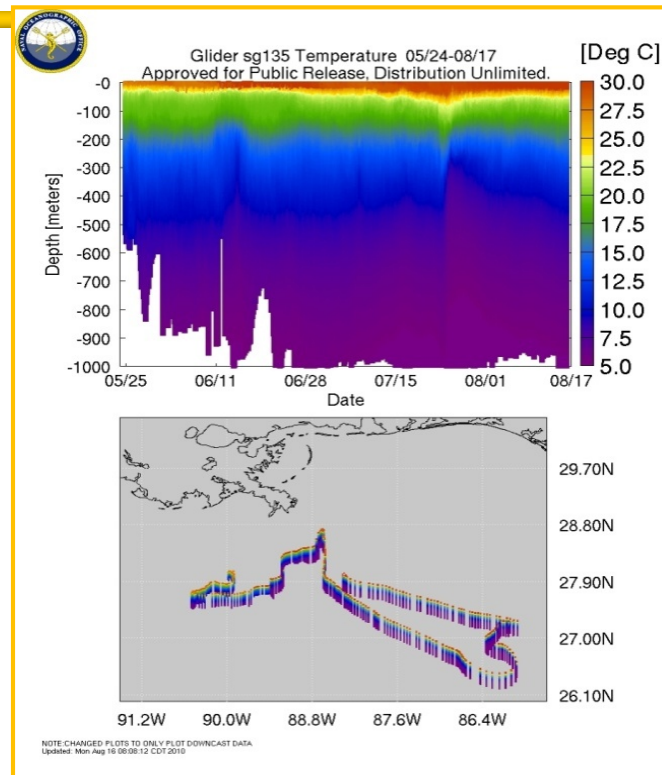
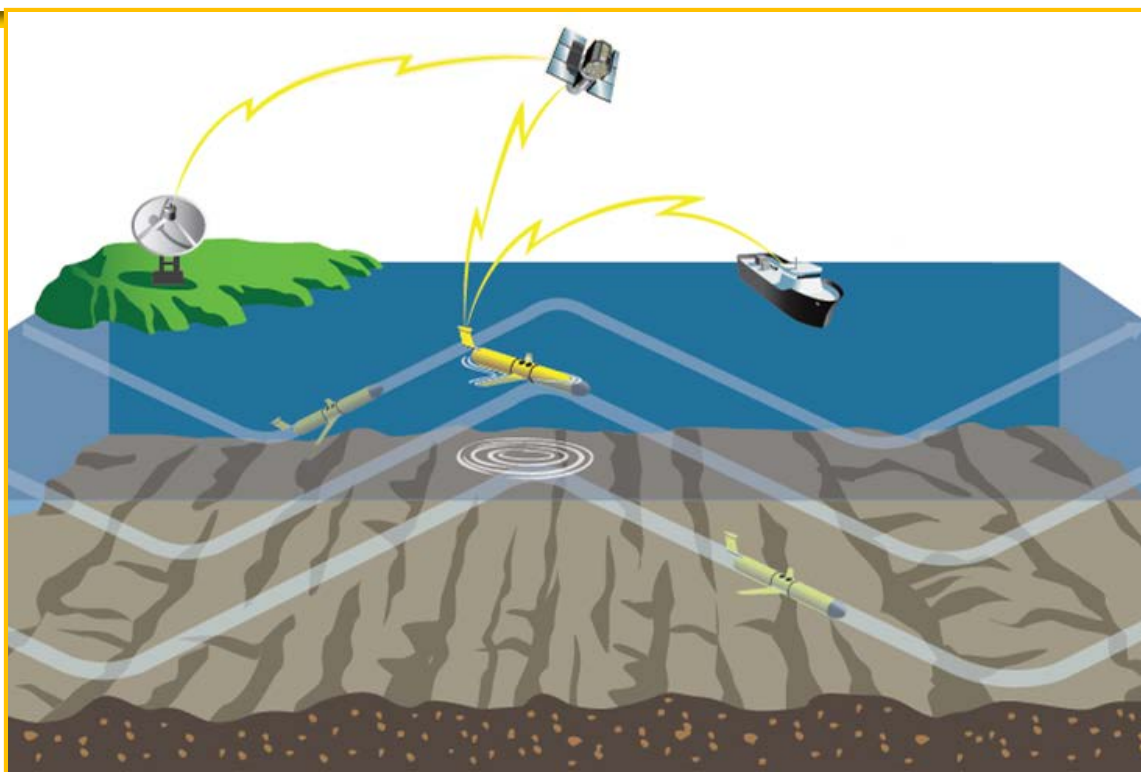
WADGPS

Length: 34 ft (10 m)
Width: 9 ¼ ft (2.8 m)
Draft: 3 ft (0.9 m)
Endurance: 200nmi @ 16knt
Displacement: 7.5 tons





Ocean Gliders



LBS-Glider Specifications:

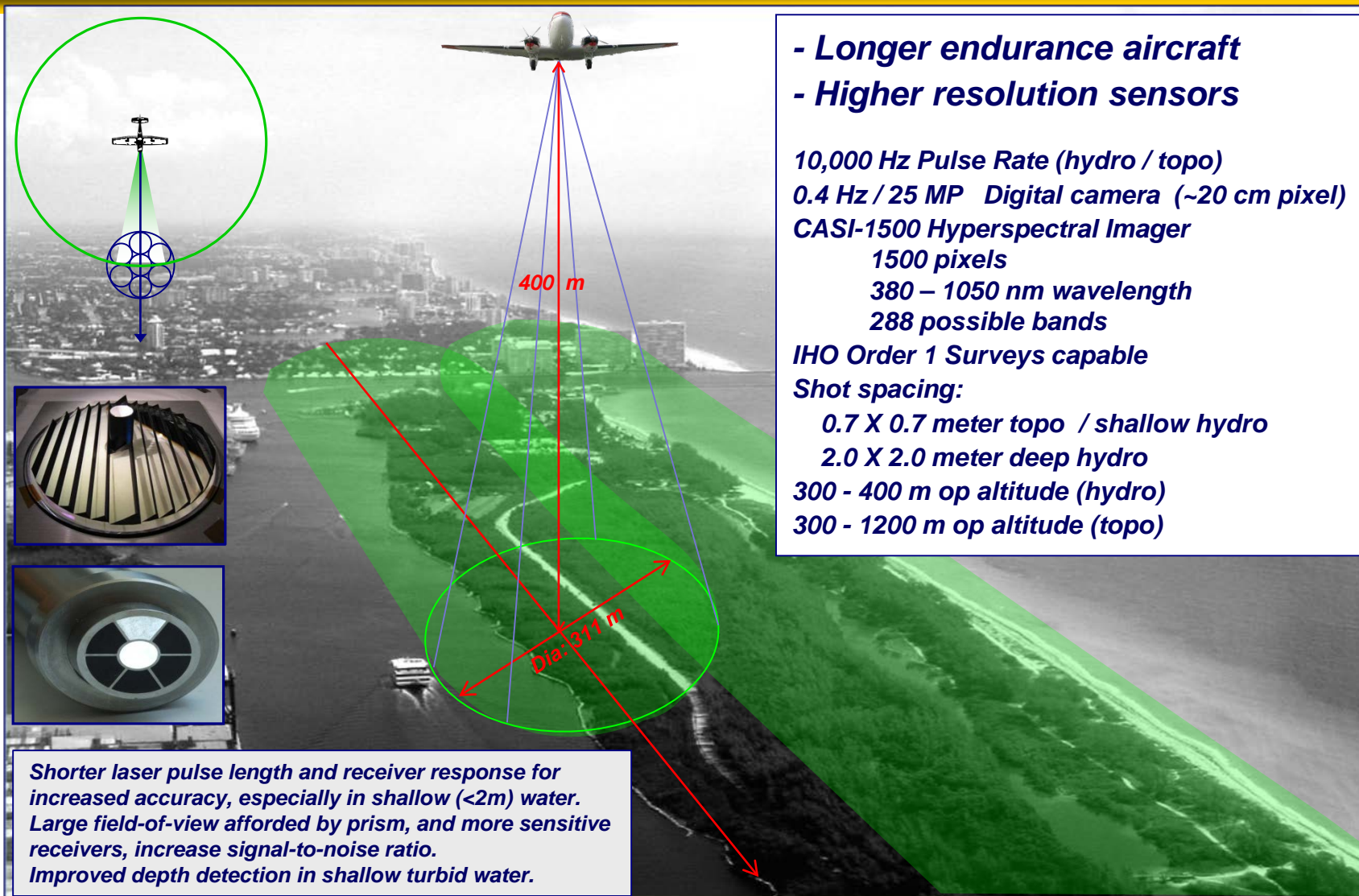
Weight	60kg	Max Depth	200/1000 m
Hull Dia.	22 cm	Endurance	4-6 months
Length	1.5 m	Range	4000 km
Speed	31 cm/s	Energy	Li-oxyhalide





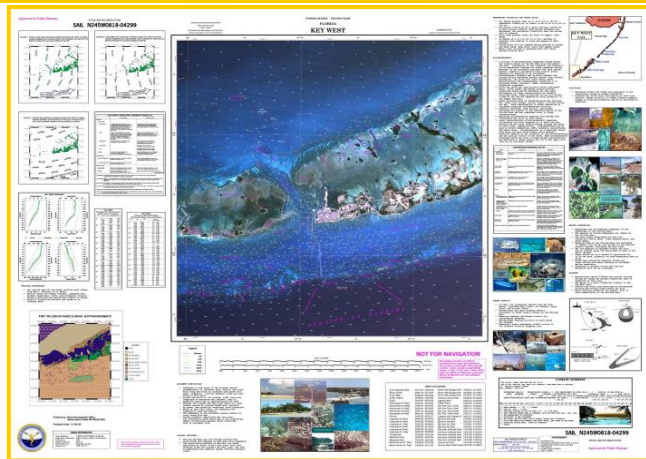
Airborne Coastal Surveys Program

Coastal Zone Mapping and Imaging Lidar (CZMIL)

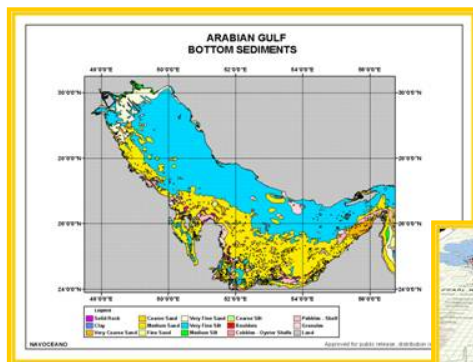




Specialized Products



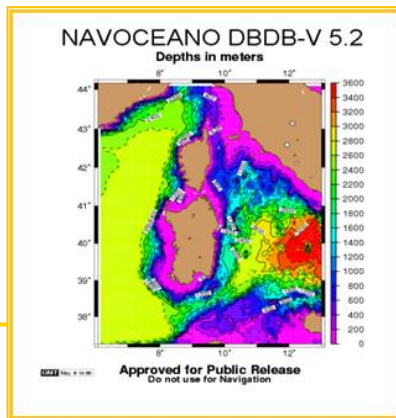
Special Analyzed Image Littoral (SAIL)



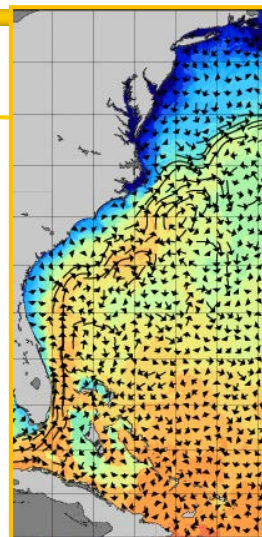
Bottom Sediment Chart



3-D Fly Thru

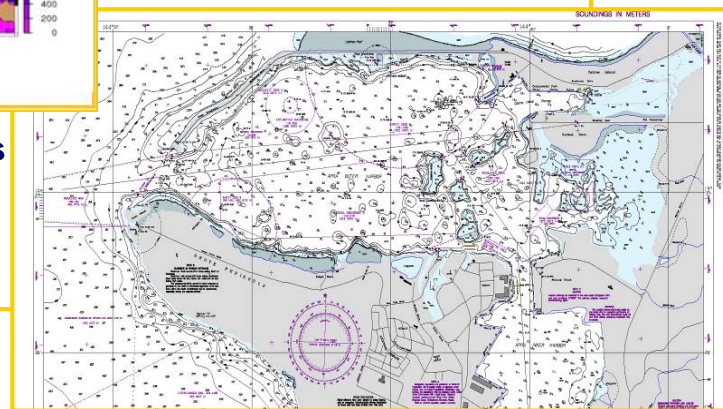
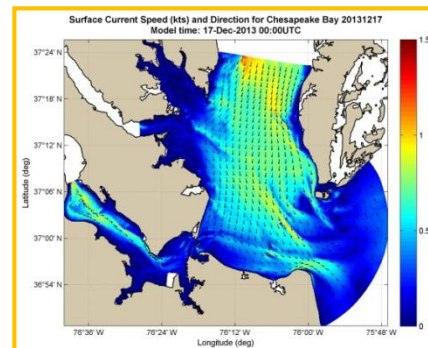


DBDB-V Datasets



← NCOM 1/30°

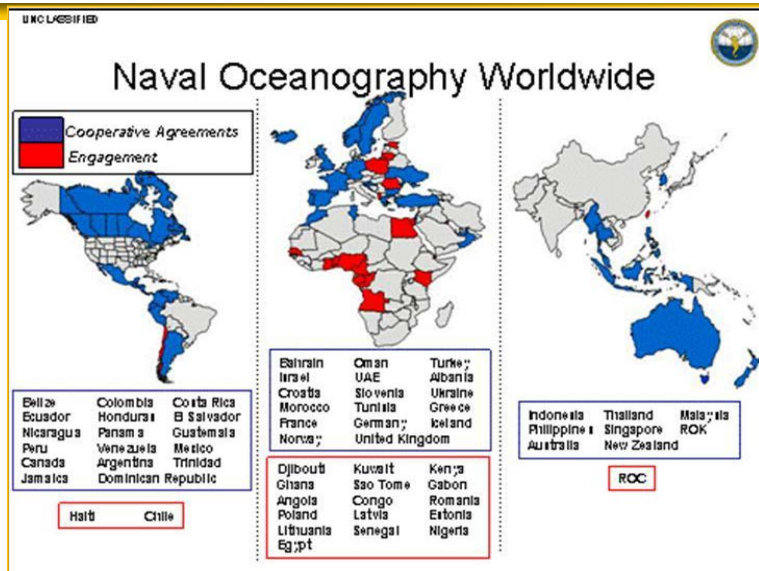
DELFT3D 1/100°



Field Chart



Theater Security Cooperation



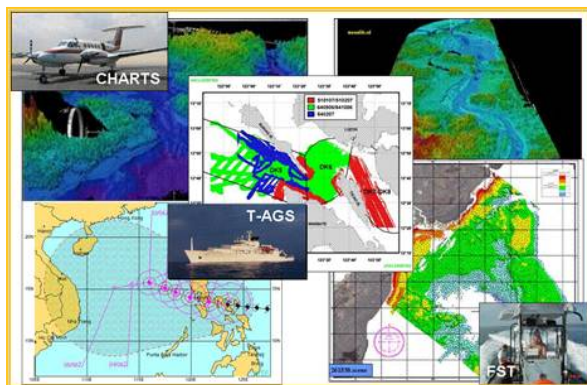
Ecuador



Montenegro



Gabon



Philippines



Vietnam



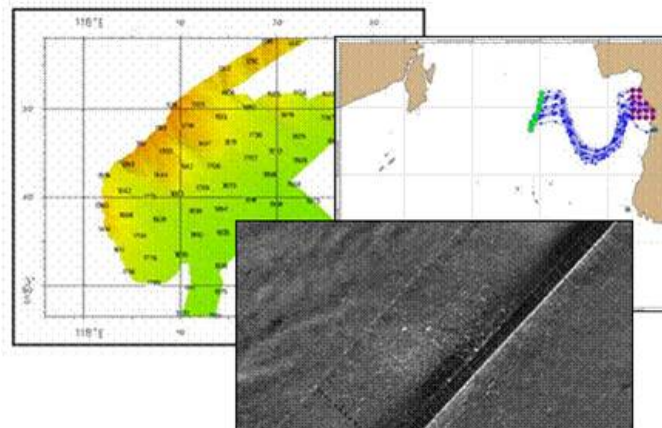
Congo



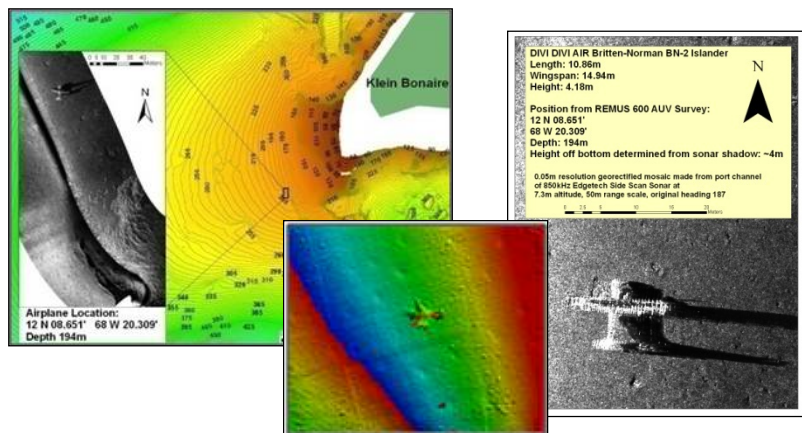
Proactive HA/DR (Shaping)



Indonesia Tsunami Relief



Adam Air



Divi Divi Air, Netherlands Antilles



Operation Unified Response (Haiti)



Customer Support Office (CSO)

For 24/7 Customer Service, Product Information, Availability, or Status:

Classified Web:

<http://nepoc.oceanography.navy.smil.mil/portal/web/navo>

To initiate a new product request if an existing product is not available on the web page, choose the link under PRODUCT SUPPORT labeled **REQUEST FOR PRODUCTS**

Unclassified Web:

<https://nepoc.oceanography.navy.mil/portal/web/navo>

To initiate a new product request if an existing product is not available on the web page, choose the link under IMPORTANT LINKS AND DOWNLADS labeled **NAVOCEANO REQUEST FOR SERVICE**

To speak to a Customer Service Representative:

COMM: (228) 688-5176

DSN: 828-5176

E-Mail:

Unclassified: cso.navo.fct@navy.mil

Classified: cso@ocean.navo.navy.smil.mil

If checking on Product Status, please have your RFS number available.



Fleet Survey Team (FST)

A specialized team of military and civilian experts providing hydrographic and oceanographic knowledge of the littoral environment to support safety of navigation



Tailored Products and delivery in the field

Rapidly deployable teams

- 4 to 6 personnel, 9 m RHIB or fly-away survey kit for boat of opportunity

Rapid Littoral Surveys – Beaches and Rivers

- Rapid Littoral Survey Vessels (RLSV), w/bolt-on sensor package for near-shore assessments.
- Deployable to Amphibious Squadrons (PHIBRONs)

International Cooperative Surveys

- Host country participation, boats of opportunity

Theater Security Cooperation

- Global partnership building through Maritime Safety, Security, and Training

Humanitarian Assist / Disaster Relief

- Post-hurricane surveys – Katrina, Rita, Gustav, Ike
- Post-earthquake surveys – Indonesia, Haiti, Chile
- 96 hours to departure upon tasking

