



# The U.S. Naval Research Laboratory Stennis Space Center, MS

**HERBERT C. EPPERT, JR.**

Superintendent, Marine Geosciences Division  
Head, Office of Research Support Services

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## Our Mission

- To conduct a broadly based multidisciplinary program of scientific research and advanced technological development directed toward maritime applications of new and improved materials, techniques, equipment, systems and ocean, atmospheric, and space sciences and related technologies
- Primary in-house research for the physical, engineering, space, and environmental sciences
- Broadly based applied research and advanced technology development program in response to identified and anticipated Navy and Marine Corps needs
- Broad multidisciplinary support to the Naval Warfare Centers
- Space & space systems technology development and support
- Designated as the Navy's corporate laboratory by SECNAV 1991

# NRL Stennis Space Center Personnel & Facilities

## Oceanography Division Code 7300

- 75 Government Employees
- 1 Military

## Marine Geosciences Division Code 7400

- 66 Government Employees
- 19 Students
- 2 Military

## Acoustic Simulation, Measurements and Tactics Branch Code 7180

- 6 Government Employees

## Support Services Code 7030, Legal, Security and Contracts

- 17 Government Employees



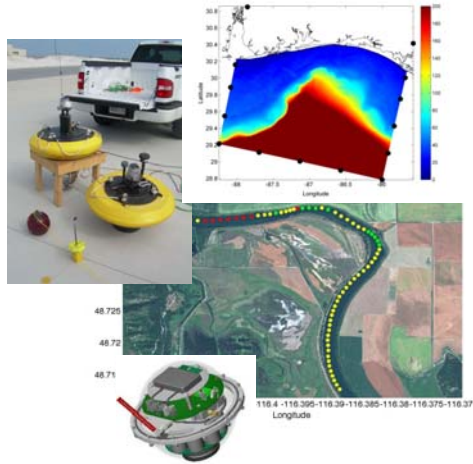
### Facilities

152,000 sqft. of laboratory,  
office and staging space

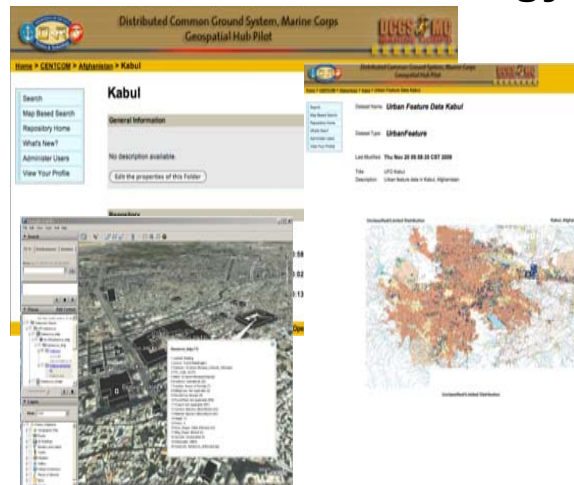
**Total** 183 Civilian  
3 Military

# Marine Geosciences Focus Areas

## Dynamic Littoral and Riverine Processes

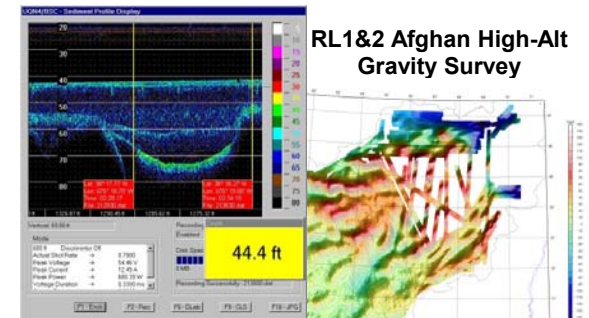


## 4-D Geospatial Information, Science, and Technology

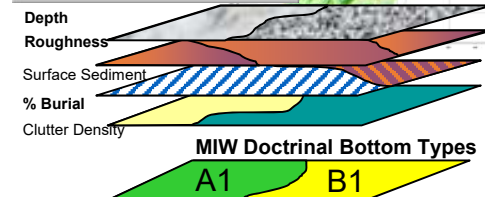


## Seafloor, Coastal Terrain, and Terrestrial Characterization

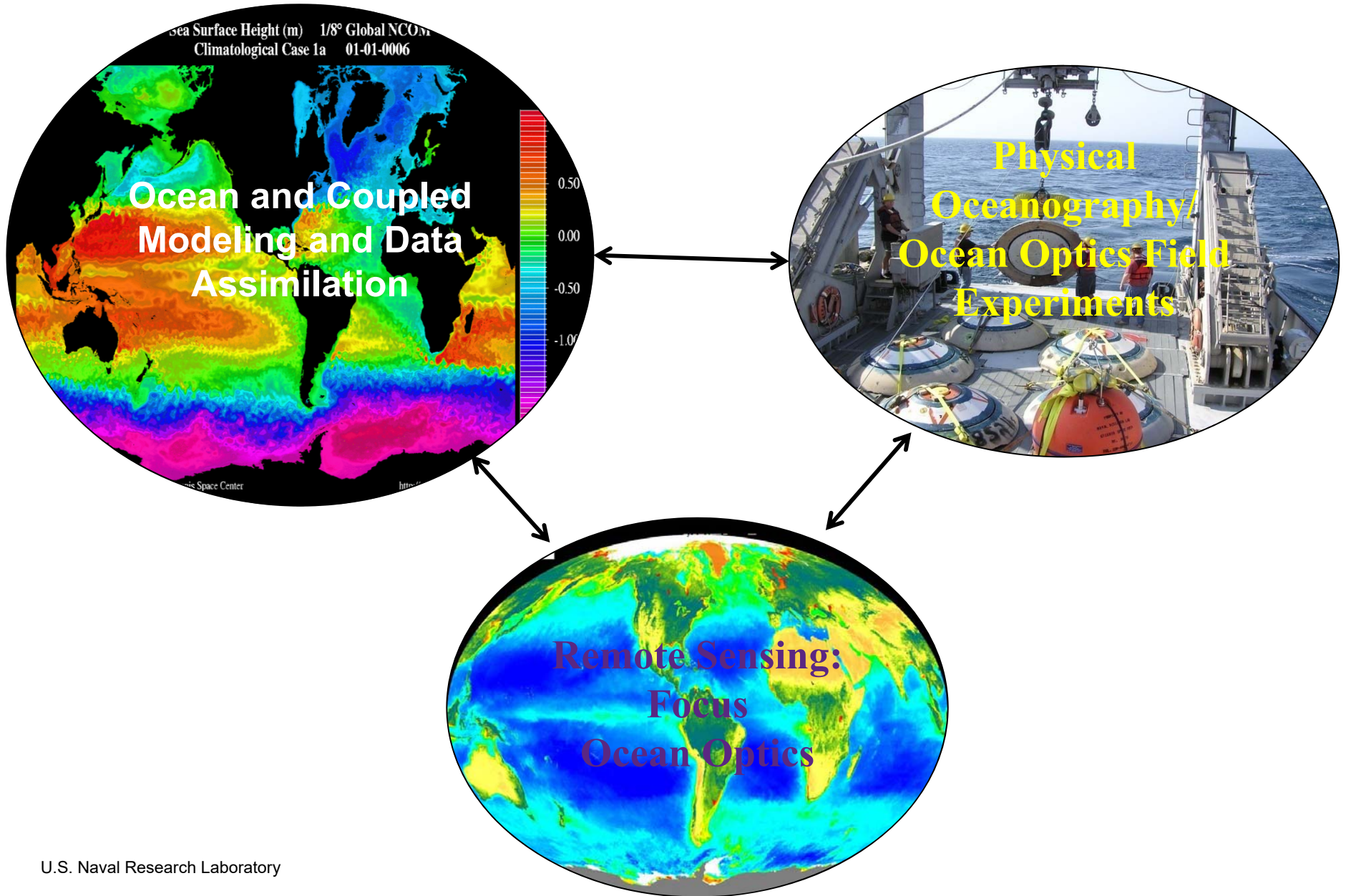
Real-time Geophysical Subbottom Profile



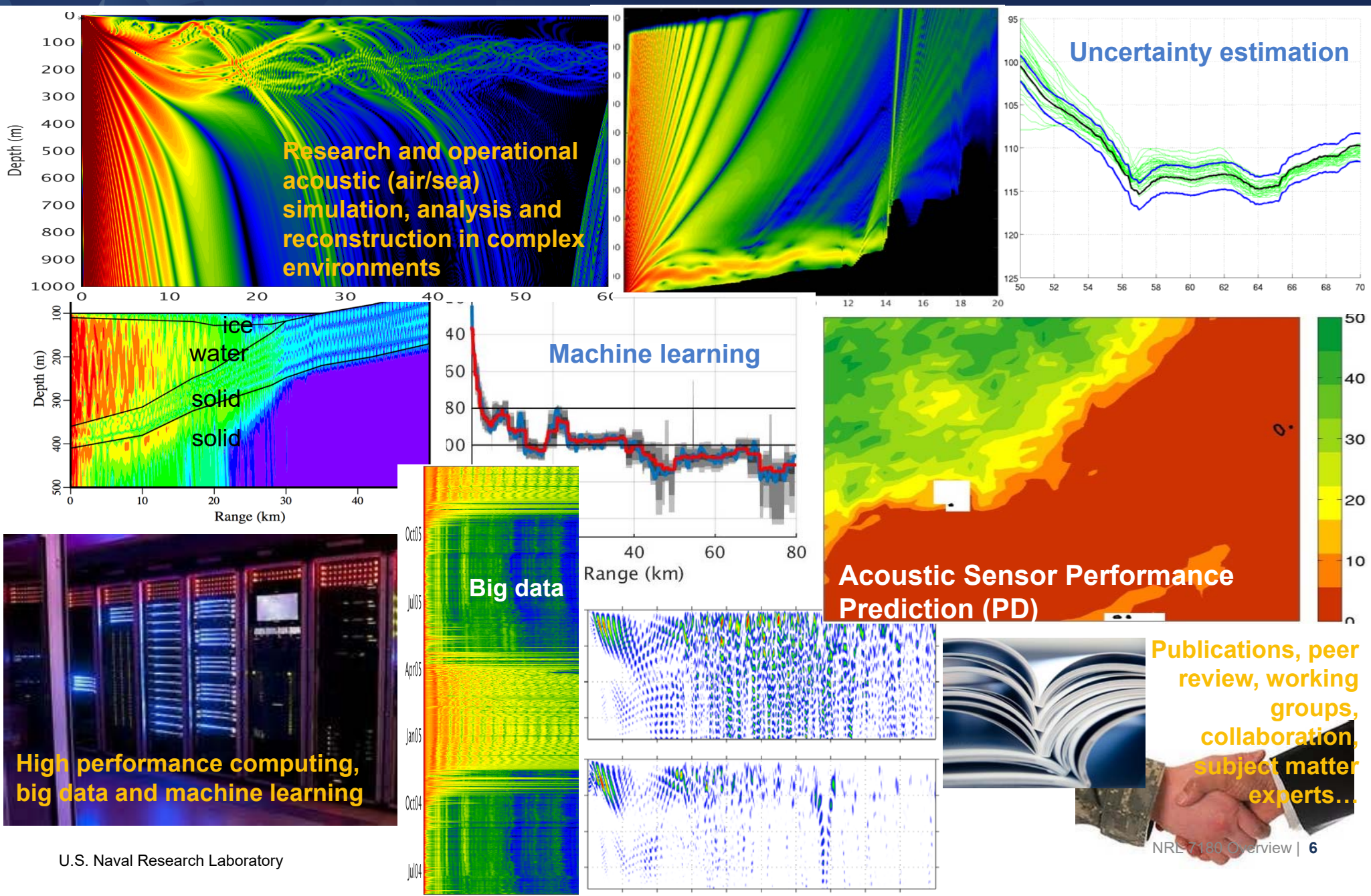
RL1&2 Afghan High-Alt Gravity Survey



# Oceanography Division Thrust Areas



# Acoustics Division



Research and operational acoustic (air/sea) simulation, analysis and reconstruction in complex environments

Uncertainty estimation

Machine learning

Acoustic Sensor Performance Prediction (PD)

Big data

High performance computing, big data and machine learning

Publications, peer review, working groups, collaboration, subject matter experts...