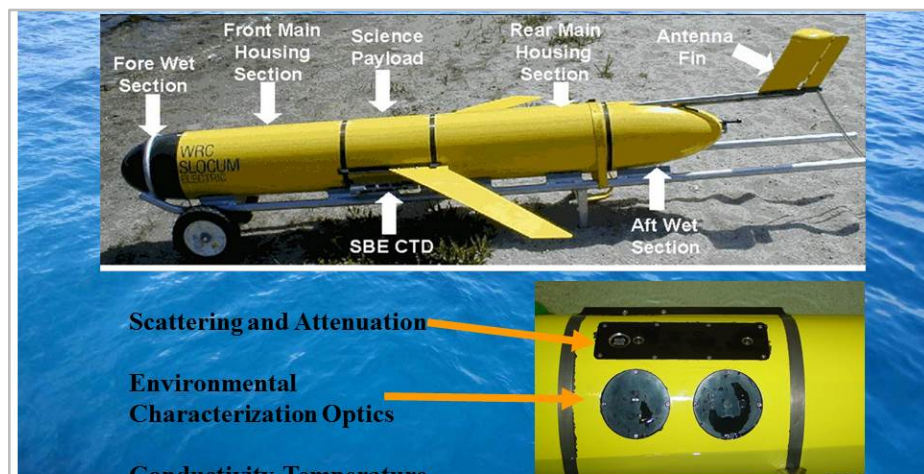


Electro-Optic Detection in Littoral for MIW/ASW Using Navy's EODES Model and Glider-Measured Optic Data



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Optical Sensors in the Slocum glider

- This project will be conducted in collaboration closely among NPS (Dr. Peter C. Chu and students), SPAWAR Code 55360 (Dr. Burton Neuner), and NAVO (Mr. Ronald Betsch, ASW/MIW program manager, NAVO; Dr. Choi, Ocean Modeling group).
- Four NPS students are interested in this proposed research project for their thesis studies: LT Brian Breshears, LT Alexander Cullen, LT Ross Hammerer, and LT DyAnna Rodriguez (all USN officers). They will graduate in FY16.

This project has three components: (1) analysis of underwater optic and hydrographic data collected by NAVOCEANO 's glider operation center, (2) integration of the Navy 's Electro-Optic DEtection and Simulation model (EODES), and (3) ocean numerical model with optical component.

- This project will provide a new approach to identify mines or mine-like obstacles and in turn enhance the warfare capability.