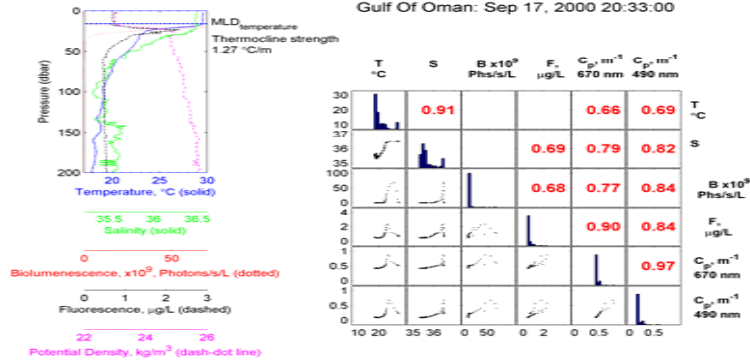




Salinity and Chlorophyll on Underwater Optical Transmission



Project Start Date: 1 October 2015
 Project End Date: 30 September 2016

Student(s) POC Info:

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Objectives:

Analyze the temperature, salinity, chlorophyll, and optical data collected by the Naval Oceanographic Office

Assess the underwater optical transmission loss

Identify the salinity and chlorophyll effect on the underwater optical propagation

Provide a new approach to identify mines or mine-like obstacles and in turn enhance the warfare capability

Product Schedule/ Milestones- 4 Theses Completed

Ross F. Hammerer, Environmental Effects on Underwater Optical Transmission in the Arabian Gulf and the Gulf of Oman. MS in Physical Oceanography, March 2016

Alexander J. Cullen, Environmental Effects on Underwater Optical Transmission in the Adriatic. MS in Meteorology and Oceanography, June 2016

Brian Breshears, Underwater Optical Transmission in the East Asian Marginal Seas for Warfare Operations. MS in Meteorology and Oceanography, June 2016

DyAnna Rodriguez, Interannual Variability of the California Current System and Optical Characteristics from Prolonged Data. MS in Meteorology and Oceanography, June 2016