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Ocean Waves Workshop

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Session 2 Presentation: WAVEWATCH III: Transition to Naval Operations

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Session II — Development of wave modeling framework to protect life and save property.

Operational wave modeling frameworks include various numerical and physical approaches such as data assimilation. The mechanisms for data assimilation to improve wave forecasting are still an area of basic research, especially since wave buoy observations are sparse. This session discussed new wave models and modeling suites that are presently being used to forecast ocean waves and to support technologies such as wave gliders and autonomous underwater vehicles (AUVs). Participants describe how wave models assimilate measurements from wave buoys and procedures used to make consistent use of ocean observations and models. The following presentation, paper, and extended abstracts relate to the use of wave models to support optimal ship tracking, glider operations, marine spill response, and numerous other applications.

Session Presentation by Mr. James Dykes













































