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## Ocean Turbulence Laboratory

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# OCEAN TURBULENCE LABORATORY

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The Ocean Turbulence Laboratory in the [Oceanography Department](#) at the [Naval Postgraduate School](#) has an active research program addressing a range of ocean turbulent boundary layer problems. The group has developed observational systems for studying sub-ice boundary layers in polar regions, coastal internal waves, solitons and turbulence over the continental shelf, and the wave forced boundary bottom boundary layer over the inner shelf and surf zone.

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## Recent Research Programs

- [Leads Experiment \(LEADEX\) 1991, 1992](#)
- [Iron Enrichment Experiment \(IRONEX\) 1993](#)
- [Duck Nearshore Experiment \(DUCK94\) 1994](#)
- [Antarctic Zone Flux Experiment \(ANZFLUX\) 1994](#)
- [Coastal Ocean Processes Experiment \(COPE\) 1995](#)

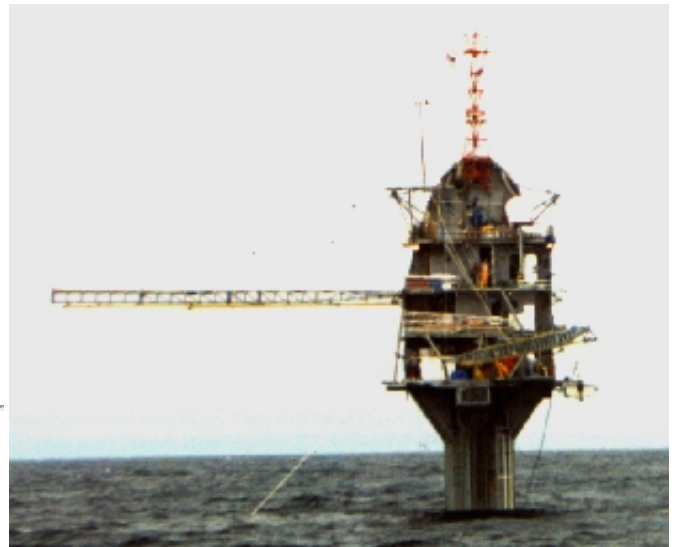
- [Duck Nearshore Experiment \(SANDYDUCK\) 1997](#)
- [Surface Heat Budget of the Arctic Ocean \(SHEBA\) 1997-1998](#)
- [Shoaling Waves DRI 1997-2001](#)
- [Rapid Environmental Assessment Laboratory \(REAL\) and Monterey Inner Shelf Observatory \(MISO\)](#)
- [Steep Beach and RIPEX experiment](#)
- [Autonomous Ocean Flux Buoy](#)
- [Thermobaricity and the Maudness Project](#)
- [RCEX Rip Current Experiment](#)
- [The Pine Island Glacier Experiment](#)



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## Old Thesis Topics

- [Nearshore Studies](#)
- [Effects of High Amplitude Solitary Internal Waves In Coastal Regions](#)
- [Upper Ocean Heat Fluxes in the Arctic Ocean](#)
- [Wave Dissipation and Bedform Evolution](#)
- [Dynamics of Steep Beaches](#)



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