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An autonomous-based oceanographic and ecological baseline to inform offshore wind development over the continental shelf off the coast of New Jersey, northeast U.S.

- 4 seasonal deployments (2 years) of paired gliders and spring-to-fall gap fill missions with a full complement of available sensors to simultaneously capture oceanographic and ecological variables

Temperature

Salinity

Density

pH

Dissolved oxygen

Chl Fluorescence

CDOM

Optical backscatter

Active acoustics - fish
(38, 120, 200 kHz)

Active Acoustics - zooplankton
(120, 200, 455, 769 kHz)

Passive acoustics – mammals

Fish Telemetry

- Conduct research and develop data products: e.g., overlap between oceanographic features & distribution of fishes and marine mammals, between marine mammal predators & their prey

