

INTIMATE'96: a shallow water tomography experiment devoted to the study of internal tides.

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Abstract: The INTIMATE (INternal Tide Investigation by Means of Acoustic Tomography Experiment) project is devoted to the study of internal tides by use of acoustic tomography. The first exploratory experiment was carried out in June 1996 on the continental shelf off the west coast of Portugal. A towed broadband acoustic source and a 4-hydrophone vertical array were used. Acoustic data were collected for 5 days, including legs where the source ship was moving and legs with the ship on station. The purpose of this paper is to briefly discuss some effects of the environment on acoustic fluctuations.

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