



"The internal tides and turbulent mixing that occurs in the deep sea off Tasmania is thought to affect the overall circulation of the global ocean. Understanding these processes is

## **Background**

Scientists will study these internal waves by deploying autonomous deep-diving gliders and install 15 deep sea moorings from the *Roger Revelle* to study the internal tide's movements and effects after it breaks 1-3 km down on the Tasmanian continental slope. A series of the internal tide, supporting research led by Prof. Nicole Jones of The University of Western

The *Falkor* will be using high resolution mapping and sensors that will measure vital long *Falkor's* new high performance computers will be used for the first time to compress data sourced during the experiment.

The moorings are anchored cables equipped with dozens of temperature sensors and -term data on the internal tide. Additional observations will be taken by the *Falkor* several team coming in to the shelf for a days of coordinated research with the *Roger Revelle* collecting data on the internal tide near the continental slope of the Tasmanian continental shelf.

Institute, The University of Tasmania and The University of Western Australia

**More information:** <http://schmidtocean.org/story/show/2963>

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