

Letters of Intent: Endeavour
Target Date: February 15, 2003

A Seismic Tomography Experiment of the Endeavour Segment

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UO will act as the lead institution.

We will propose to conduct an active source seismic tomography experiment along the central portion of the Endeavour segment of the Juan de Fuca Ridge. The overall experimental goal is to constrain the location, dimensions and physical properties of the magmatic system that underlies the five high-temperature vent fields. The results of this experiment will be used to constrain models of the subsurface hydrologic regime and the shallow mantle and crustal magmatic system.