Broken and Buoyant Slabs Beneath USArray

Telesismic body-wave tomography

dVp/Vp cross-sections

Deeper dVp/Vp map slices

A suggested origin for <40 Ma trench-normal segmentation

Ongoing work... Imaging mantle transition zone discontinuities to better understand thermal and compositional heterogeneity associated with subducted slabs

Legacy of Eocene accretion in the Pacific Northwest

Early Cretaceous convergent margin

Imagenes de anillos de las Islas Galápagos y del Océano Pacífico

The 55 Ma old spreading site "Turbulent"

Mantle Transition Zone Thickness

Seismic Stations

65,000 Ps RFS

Latitude 41