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Seismic Images of Modern Convergent Margin Tectonic Structure

An atlas of 14 seismic sections shows major tectonic features across various convergent margins. All sections are at the same scale and have been processed to a research level. Such processing produces clear images of sediment accretion at the front of some margins as well as images of sediment accretion from below. Most margins show sediment subduction. The results of tectonic erosion are seen in midslope areas as buttresses against which the accretion complex is stacked. The images of structures indicating tectonic erosion are about as common as the images of structure indicating accretion.