Active blind thrust systems near the source region of the 2004 mid-Niigata Prefecture earthquake

Tatsuya Ishiyama[1]; Yukinobu Okamura[1]; Yukio Yanagisawa[2]

[1] Active Fault Research Center, GSJ/AIST; [2] Geological Survey of Japan / AIST

We present structural models of blind thrust faults beneath the active fold-and-thrust belt where the 2004 mid-Niigata earthquake occurred, with constraints of geologic mapping, seismic reflection data, and borehole data.