



Figure 3. Map of Saint Louis, US National Network and IU broadband stations in the New Madrid seismic zone. We used long-period waveforms recorded at station CCM from the 1990 Cape Girardeau (1), 1991 Risco, Missouri (2) and 2001 Enola Arkansas (3) earthquakes to invert of S-wave velocity models. The path in general vary from event to event, thus indicating that structure is laterally varying.