



Figure 1. **UPPER LEFT** Shear wave velocity anomalies 100 km beneath the eastern North America passive margin (adapted from Van der Lee and Nolet, 1997). **UPPER RIGHT:** Tectonic units of the eastern North America passive margin. A depth contour of 2000m (shaded) outlines the edge of the continent. AM - Adirondack Mountains.

LOWER PANEL Regional variations in shear wave speed at 150 km depth, as imaged by body wave tomography with S and SKS waves (Levin *et al.*, 1999) (left) and Rayleigh wave tomography (Van der Lee and Nolet, 1997) (middle). Solid line on the middle panel indicates the trace of the cross-section shown at right. There is a general agreement in the trend of the low velocity features despite large differences in sampling and vastly disparate scales of these studies (body waves - the region shown, Rayleigh waves - continent-wide). Note an "uplift" of velocity contours towards the interior of the craton.