Supplement to

Crust-mantle boundary in eastern North America, from the (oldest) craton to the (youngest) rift.

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Supplementary Figure 1.
Contours of average compressional wave speed (Vp) in the crust adapted from Tesauro et al. (2014).
Supplementary Figure 2.

Data plots for all seismic stations included in our analysis. For every location we show an epicentral gather of receiver functions (left plot), a set of frequency-dependent receiver function beams (right plot), and an H-k stacking result in the form of a shaded surface (center plot).

White dots mark maximum of the stack, the white contours show values at 95% of the maximum. Green lines show min/max values of that contour if they fall within the search box. Exact values of H and k corresponding to the white dot are given in Table 1 of the main text.

Plots are arranged in the order of their appearance on the transect, from NW to SE (see Table 1 of the main text for site names and locations). Frequency-dependent receiver function beams are constructed for earthquake sources in Central America.

Purple stars mark the timeseries we chose as those with the highest frequency of unmodified PmS phase.
epicentral distance, deg

Time, s

max frequency, Hz

QM50

QM50

QM50

QM50

QM50

QM50

QM50

QM50
epicentral distance, deg
time, s
max frequency, Hz

H66A

Time, s