



Color Plate 21 (a) Best focused crosswell survey geometry found. Figure key similar to Figure 4 of Chapter 52, but here shading also illustrates the resolution of each model cell (best resolution in darker shades). In this example only six sources (boxes with stars) and receivers (empty boxes) were used. Crosses show model cells on which the survey was focused. (b) The relative shear velocity perturbation under North America in three layers at depths between 25 and 300 km as determined by Alsina *et al.* (1996). (c) 40 s period fundamental mode Rayleigh phase velocity map from Curtis *et al.* (1998). Inset: slice of the *P*-velocity anomaly through the model of Bijwaard and Spakman (2000) at 53 km depth. Major tectonic boundaries shown in yellow, c – Caucasus, p – Pamir, k – Karakoram, ts – Tien Shan, him – Himalayan arc.