



Figure 4. (a) Map showing hand-contoured model of the Juan de Fuca slab surface (see text for description) and seismicity (ANSS, 1975–2009; CNSN, 1985–2009) located beneath the modeled surface. Solid lines denote depth contours in 10 km increments, long dashed lines denote supplemental depth contours in 5 km increments; short dashed lines denote interpolated contours where control points are more than 50 km apart. Note that Wadati-Benioff zone seismicity mainly occurs in regions where slab model arches along strike. (b) Map showing hand-contoured model the Juan de Fuca slab surface and seismicity located in the Cascadia forearc above the slab surface. (c) Map showing smoothed polynomial spline version of slab model. Solid lines denote depth contours in 10 km increments; long dashed lines denote supplemental depth contours in 5 km increments; short dashed lines denote extrapolated contours. (See Figure 1 for base map notes.)