

Fig. 6.30. Comparison of observed and predicted  $T_e$  in North America. (a) The observed  $T_e$  based on Sheffels and McNutt (1986), Watts (1988) and Bechtel et al. (1990). (b) The present-day geotherm for the Appalachians and Canadian Shield regions based on Pinet et al. (1991). The grey shades show the expected  $T_e$ , assuming that  $T_e$  is defined by the depth to the 300 – 600°C isotherm. (c) The composition of the crust used by Pinet et al. (1991) to compute the contribution of radiogenic heat-producing elements to the surface heat flow. Reproduced in part from Fig.4 in Watts (1992).