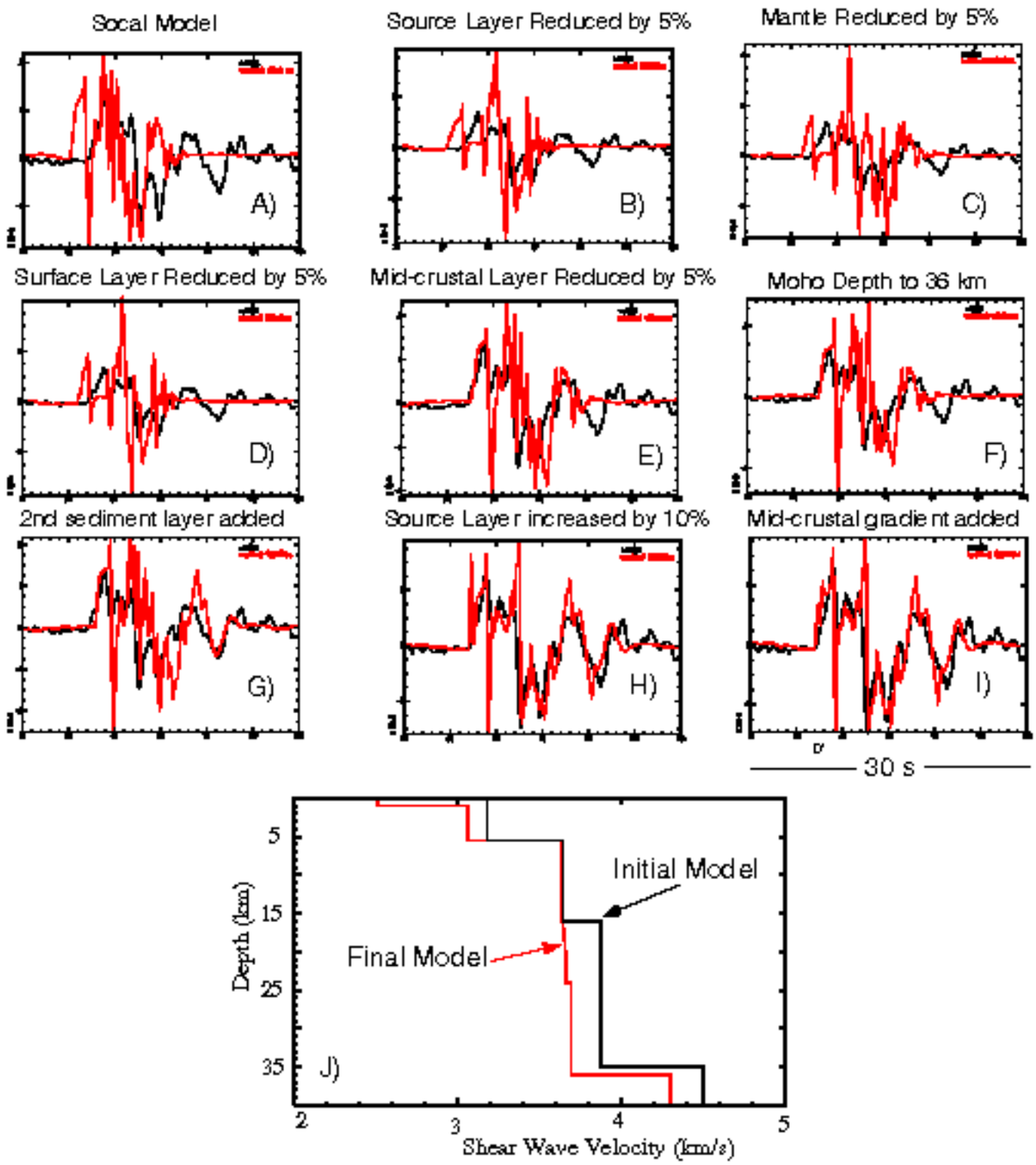

Figure 7) The broadband transverse component data (black) for an earthquake in Nevada recorded by the BDSN station CMB (distance=180km) is compared with synthetic seismograms (red) for a series of interative velocity models. Panel (A) shows the initial fit in absolute time and amplitude obtained using the SoCal model (Dreger and Helmberger, 1993). Panel (I) shows the final iteration. The time base is plotted below panel (I), and the the amplitudes of the seismograms are compared in the absolute sense. The initial and final shear wave models are shown in panel (J)