



Figure 8a. Profile of ground acceleration time histories simulated for the 2D velocity profile shown in Figure 7. The top seismogram is computed for the receiver located 30 km off the left boundary of the model. The source is located at 6 km depth near Memphis, 30 km off the boundary. The lower panel shows seismograms when the moho discontinuity is included. The effect is to lengthen the duration of surface waves as well as the strength of the body waves.