



Figure 9a. 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 right boundary of the model. The source is buried at 6 km depth near Saint Louis, 30 km off the right boundary. The lower panel shows accelerograms when the moho layer is also included. Note the increased S wave amplitudes which are reflections from the moho.