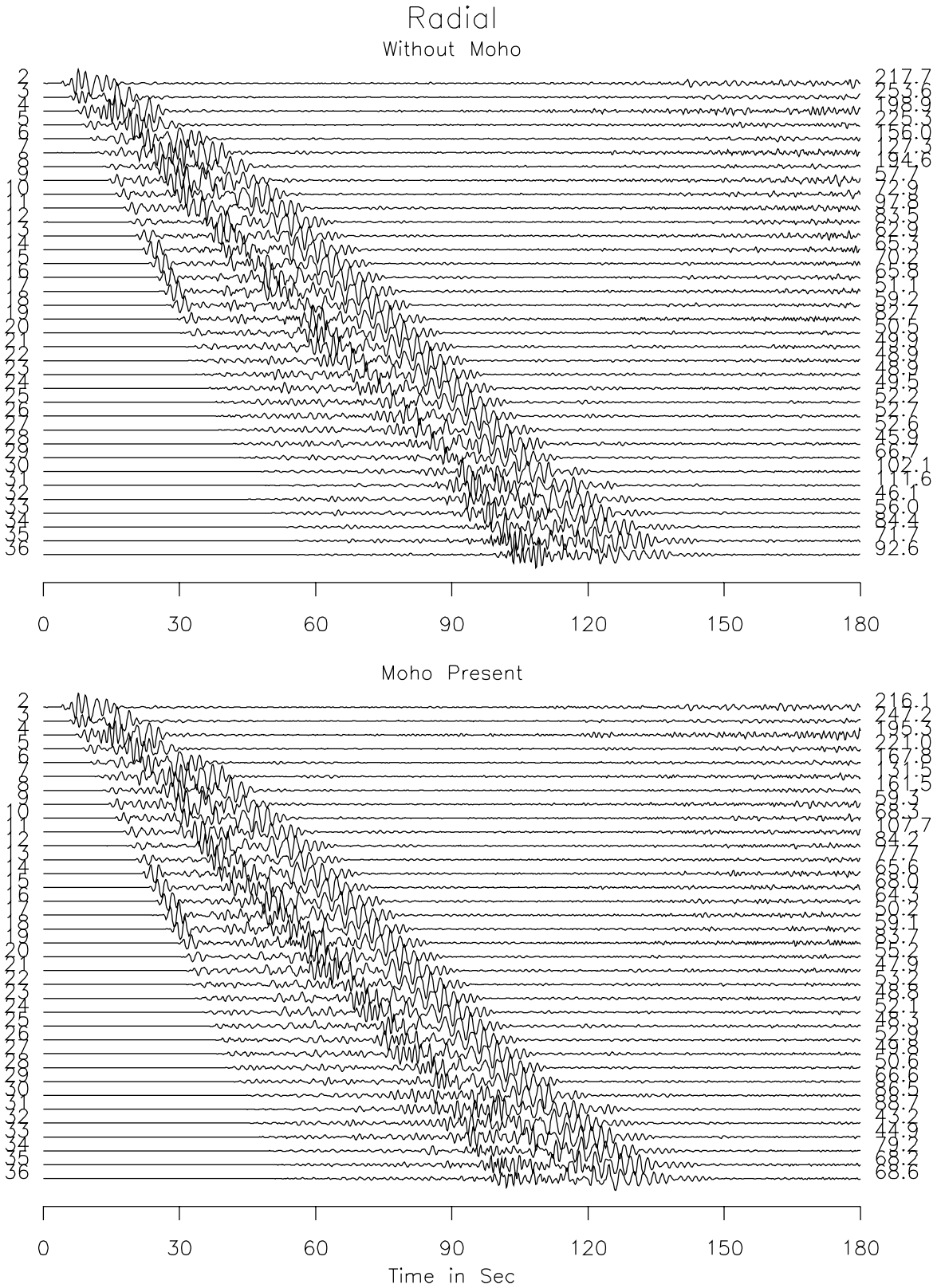

Figure 8b. Profile of ground acceleration time histories simulated for the 2D velocity profile shown in Figure 7. The top seismogram is computed for the receiver located 30 km off the left boundary of the model. The source is at a 6 km depth near Memphis end, 30 km off the boundary. The lower panel shows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