



- with low velocity surface layer
- 14 layer model (inversion)
- 8 layer model (initial model)

Figure 6. Comparisons of synthetic and observed 3-component displacement records from the 1991 Risco event at station CCM. We filtered the records between 50 and 5 seconds period and invert for S-wave velocity using waveform inversion. We converged to the best solution within 5 iterations. We also inverted using an 8 layer model with low velocity surface layer. The fit slightly improved using an 14 layer model.