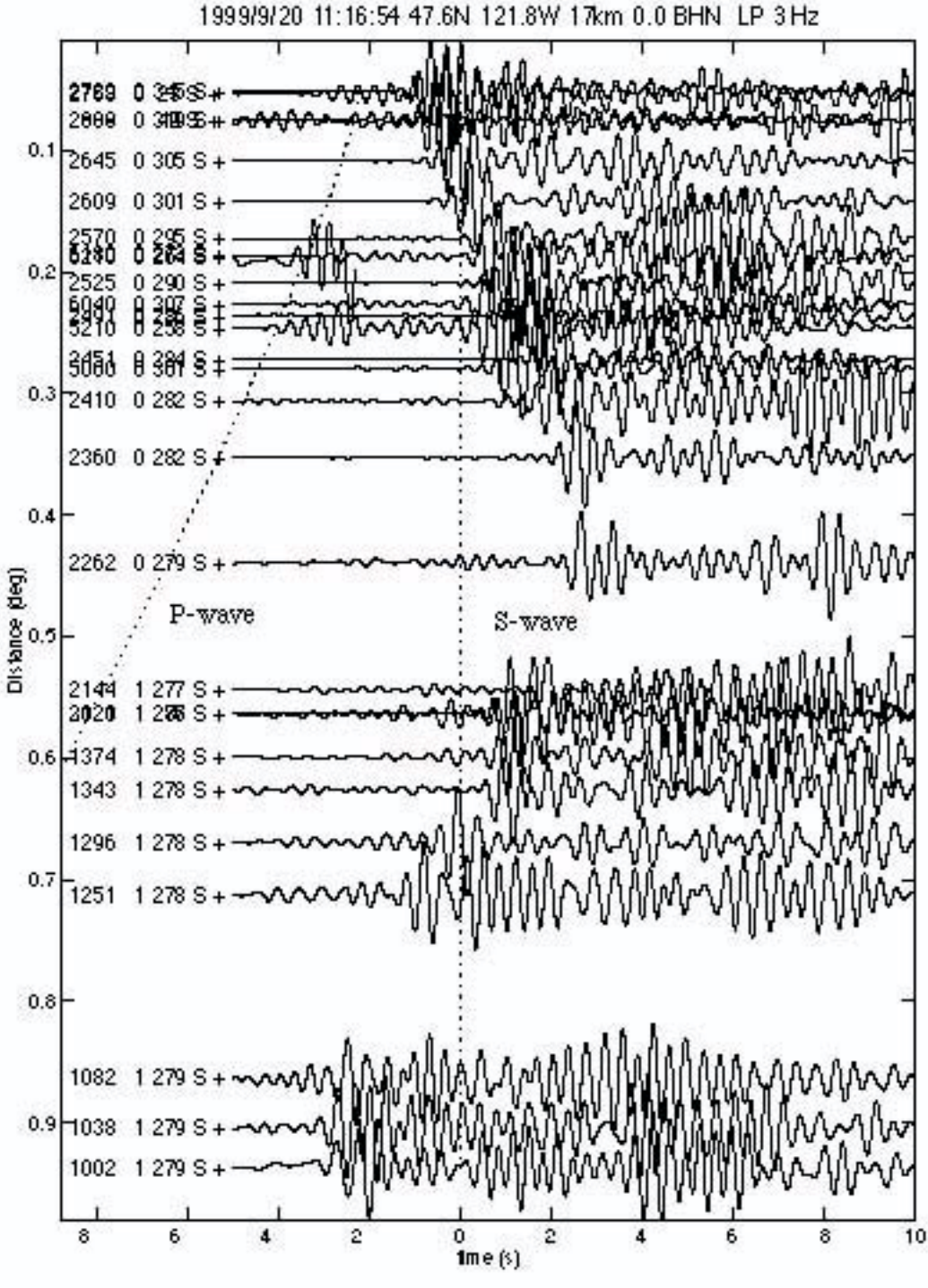

Figure 41. Horizontal component (N-S) REFTEK recordings of a local M2.8 earthquake on 9/20/1999 at 17 km depth (event 11 on Table 6a). Numbers on left side of traces show station numbers of the receivers; numbers between 279 and 305 show azimuth between the earthquake and the receiver. Dotted lines show locations of P- and S-wave arrivals calculated from the iasp91 earth model.

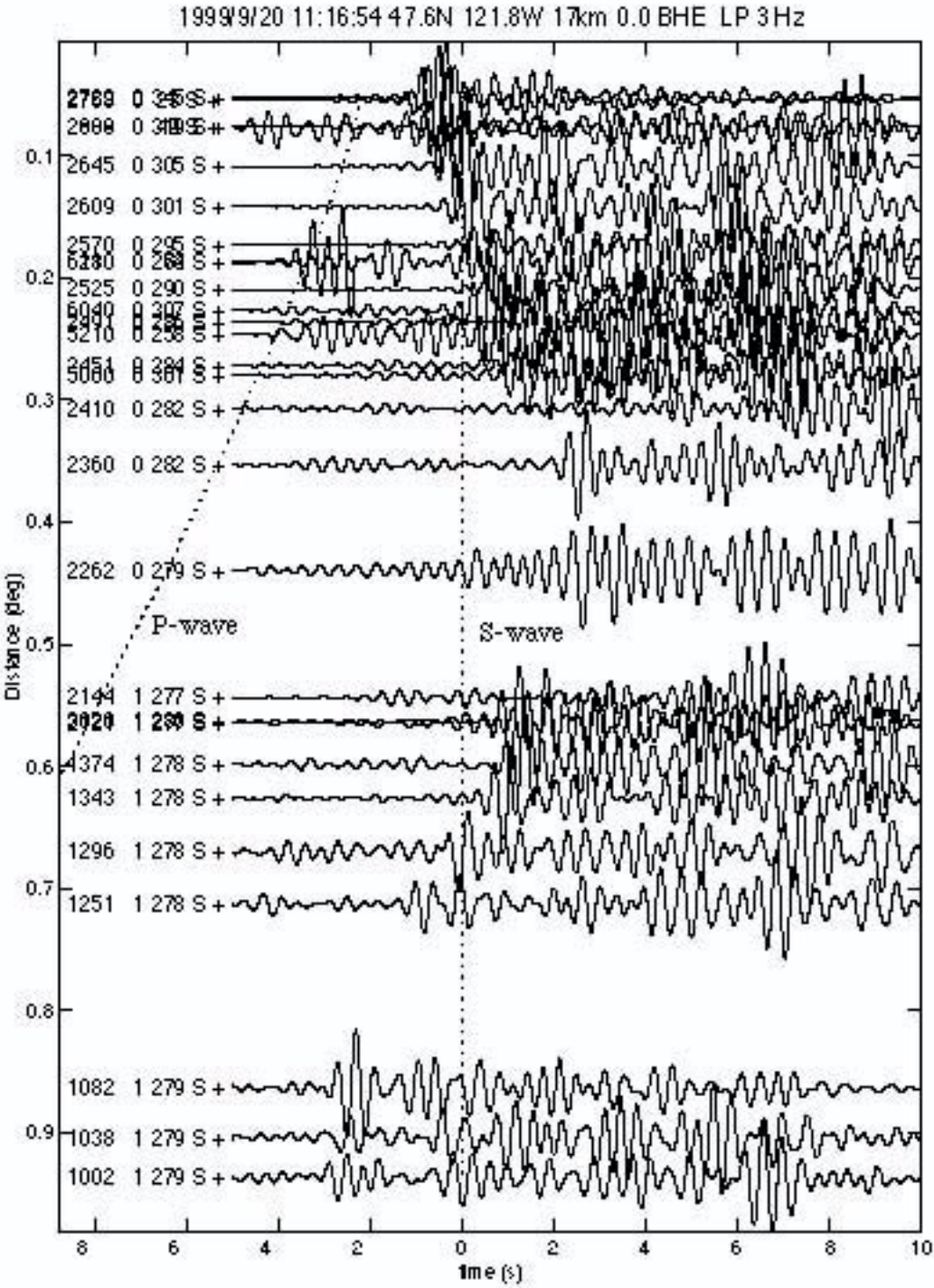

Figure 42. Horizontal component (E-W) REFTEK recordings of a local M2.8 earthquake on 9/20/1999 at 17 km depth (event 11 on Table 6a). Numbers on left side of traces show station numbers of the receivers; numbers between 279 and 305 show azimuth between the earthquake and the receiver. Dotted lines show locations of P- and S-wave arrivals calculated from the iasp91 earth model.

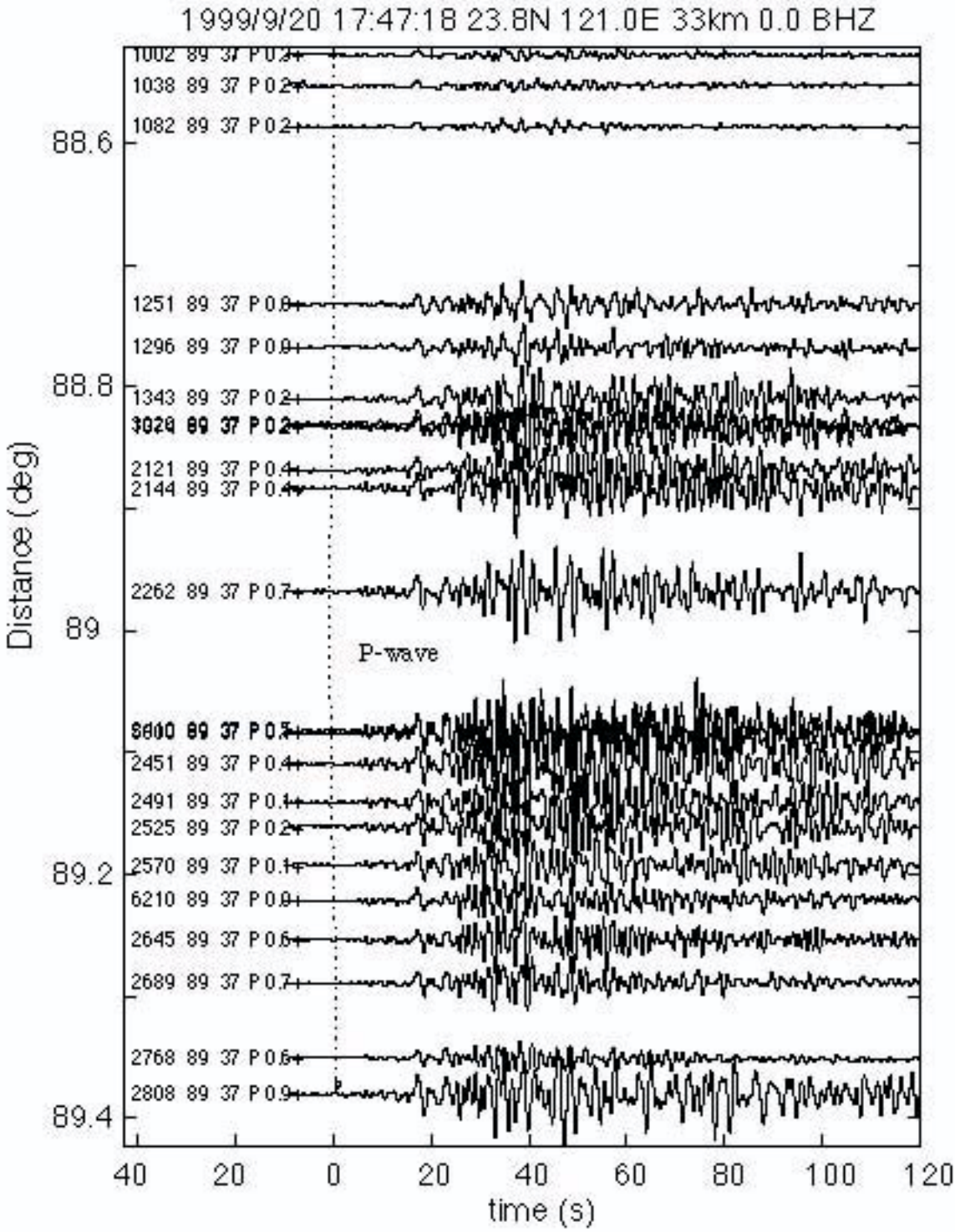

Figure 43. Vertical component REFTEK recordings of the M7.6 Chi Chi earthquake on 9/20/1999. Numbers on left side of traces show station numbers of the receivers; numbers between 0.0 and 0.9+ show shift applied to the trace. Dotted line shows locations of P-wave arrival calculated from the iasp91 earth model.

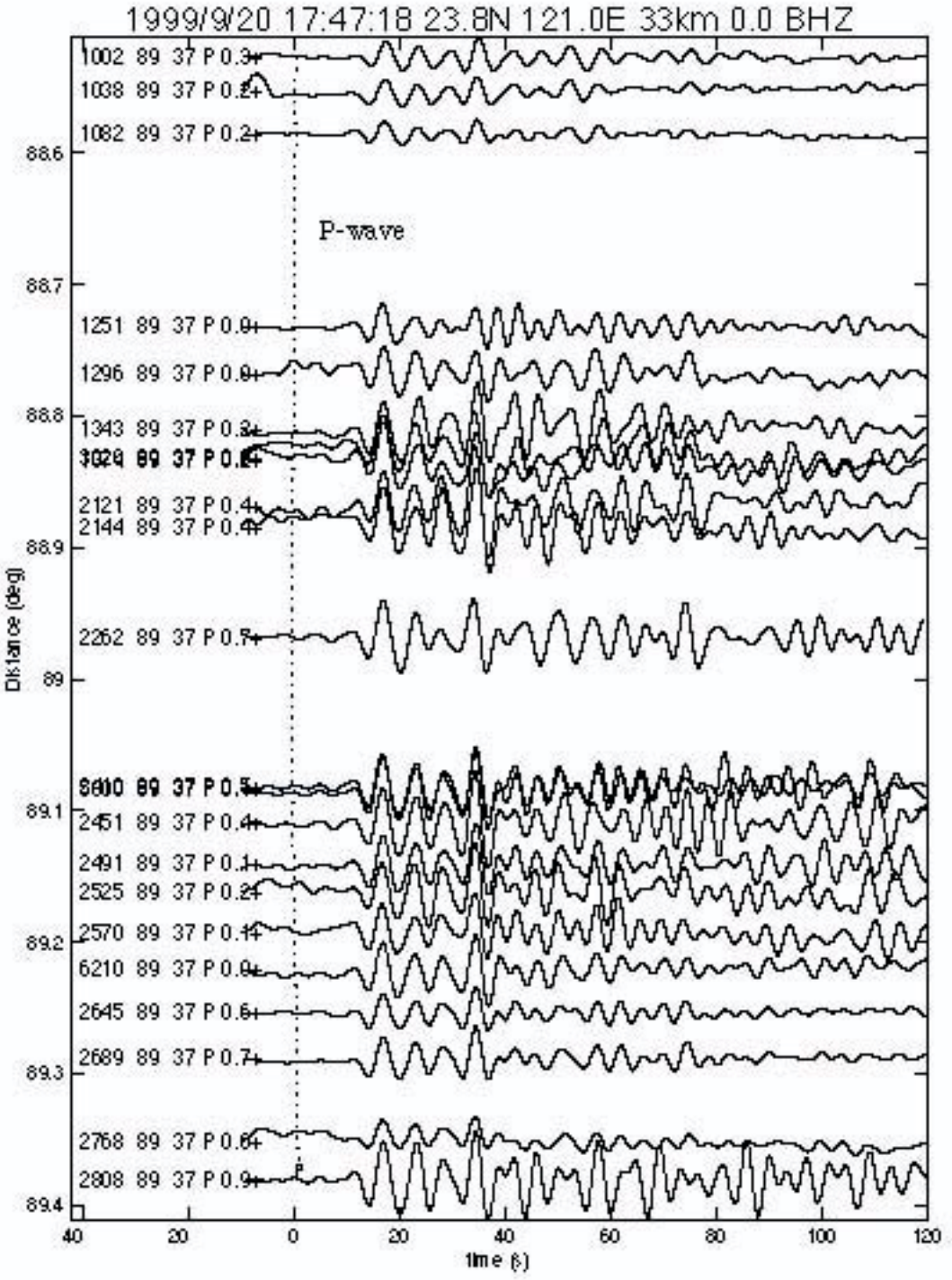

Figure 44. Vertical component REFTEK recordings of the M7.6 Chi Chi earthquake on 9/20/1999. Numbers on left side of traces show station numbers of the receivers; numbers between 0.0 and 0.9+ show shift applied to the trace. Dotted line shows locations of P-wave arrival calculated from the iasp91 earth model. Data have been low pass filtered with an upper corner at 0.25 Hz.

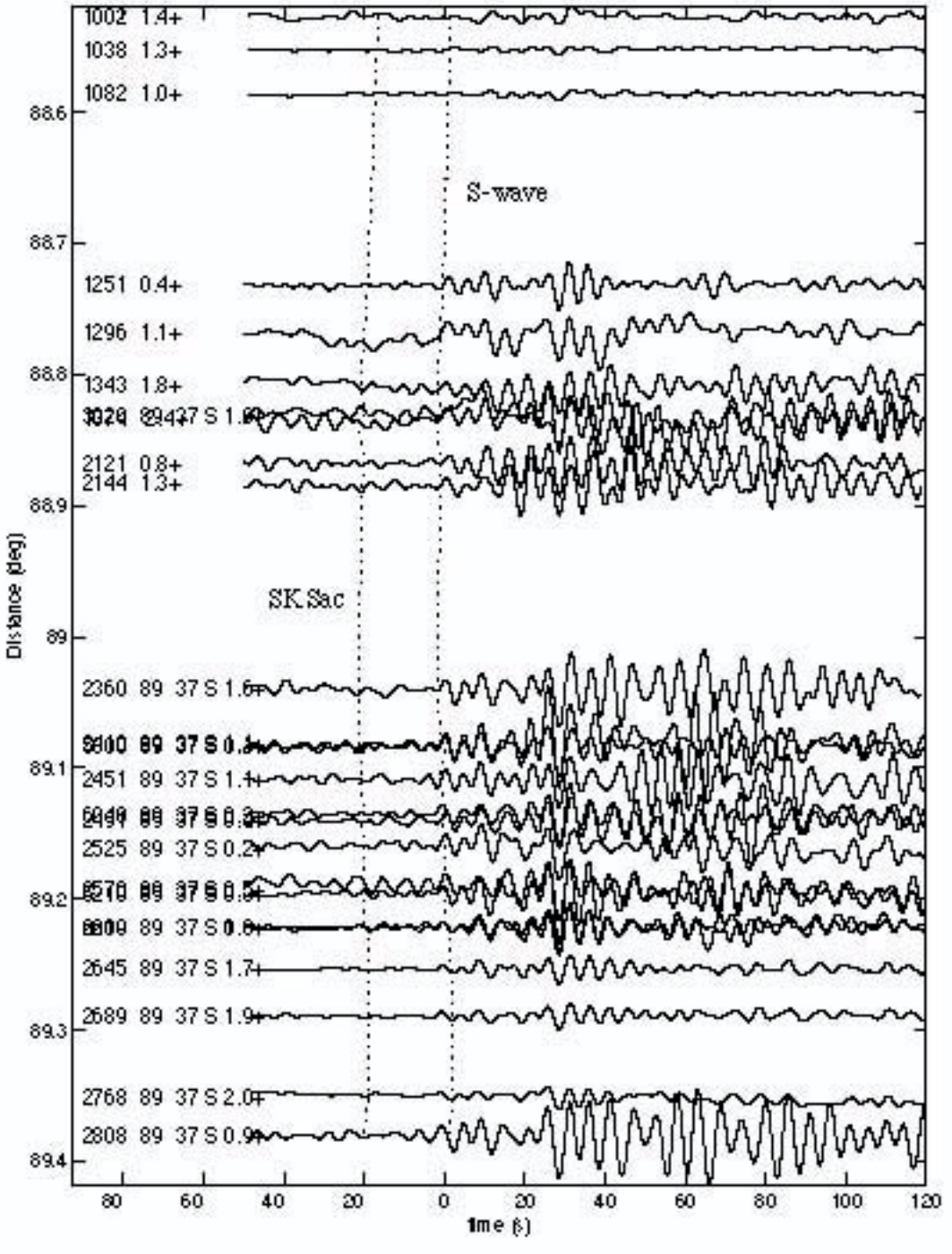

Figure 45. East-west horizontal component REFTEK recordings of the M7.6 Chi Chi earthquake on 9/20/1999. Numbers on left side of traces show station numbers of the receivers; numbers between 0.0 and 2.0+ show shift applied to the trace. Dotted line shows locations of SKS and S-wave arrivals calculated from the iasp91 earth model. Data have been low pass filtered with an upper corner at 0.25 Hz.

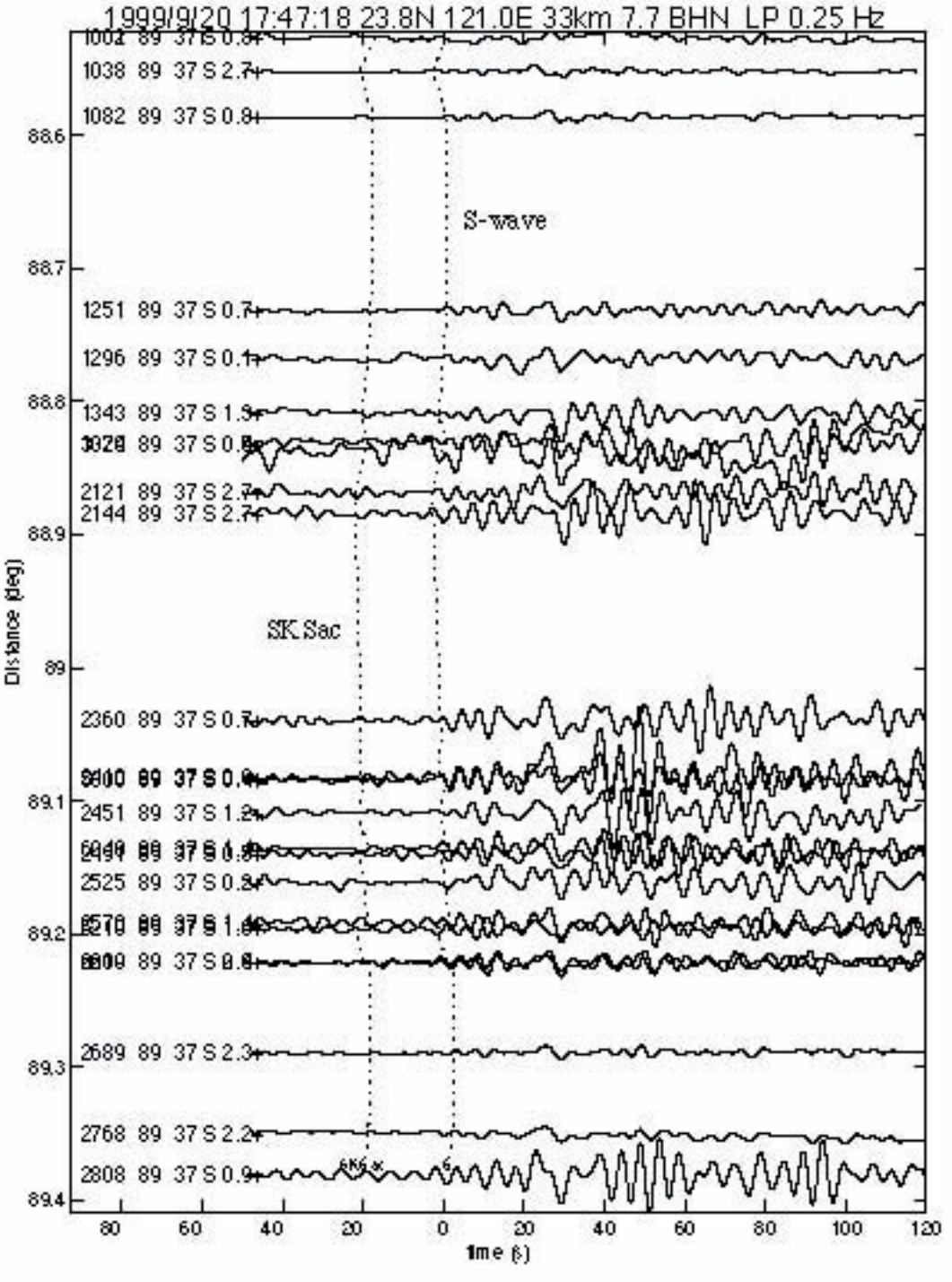

Figure 46. North-south horizontal component REFTEK recordings of the M7.6 Chi Chi earthquake on 9/20/1999. Numbers on left side of traces show station numbers of the receivers; numbers between 0.0 and 2.7+ show shift applied to the trace. Dotted line shows locations of SKS and S-wave arrivals calculated from the iasp91 earth model. Data have been low pass filtered with an upper corner at 0.25 Hz.

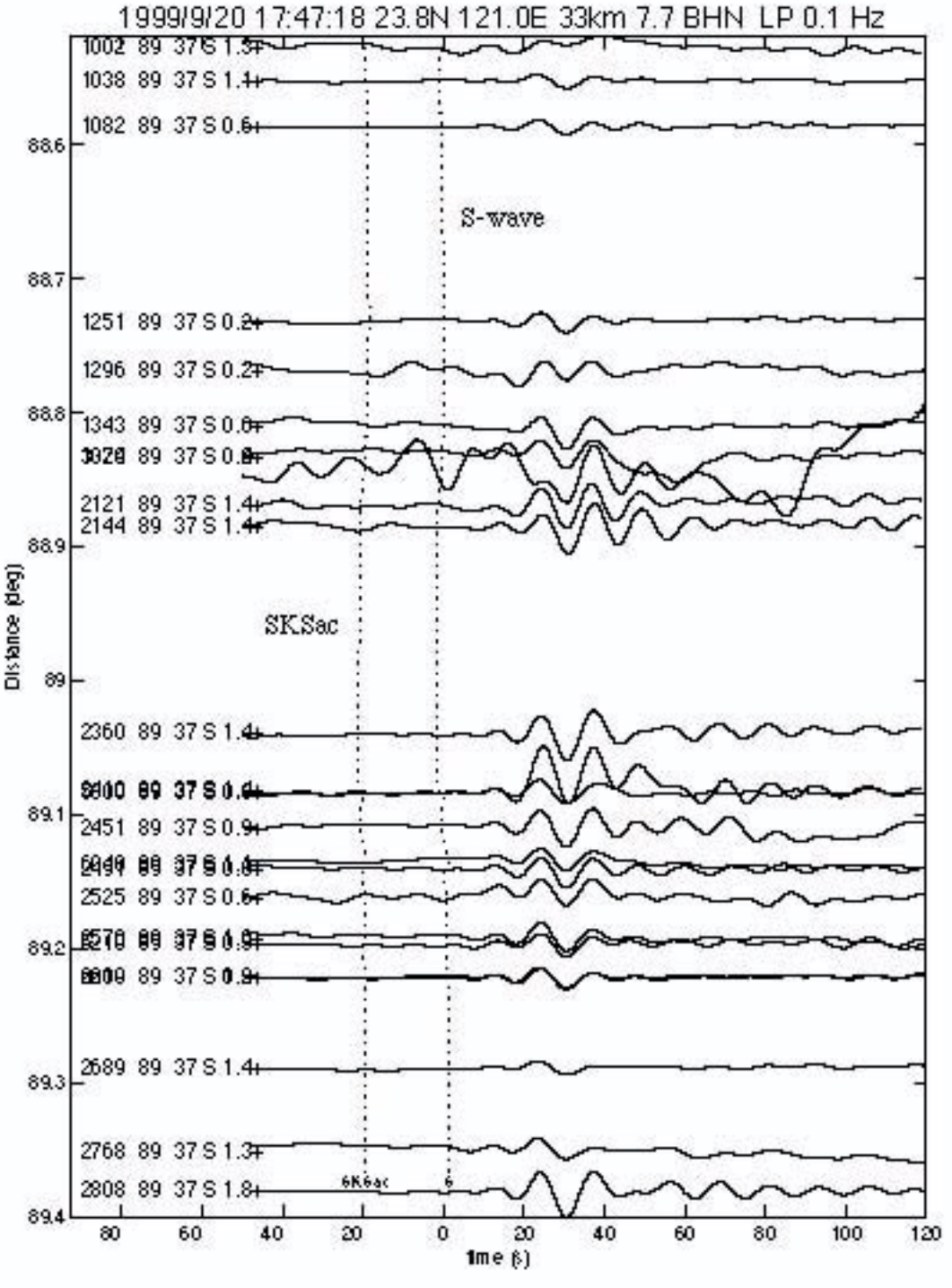

Figure 47. North-south horizontal component REFTEK recordings of the M7.6 Chi Chi earthquake on 9/20/1999. Numbers on left side of traces show station numbers of the receivers; numbers between 0.0 and 1.8+ show shift applied to the trace. Dotted line shows locations of SKS and S-wave arrivals calculated from the iasp91 earth model. Data have been low pass filtered with an upper corner at 0.1 Hz.

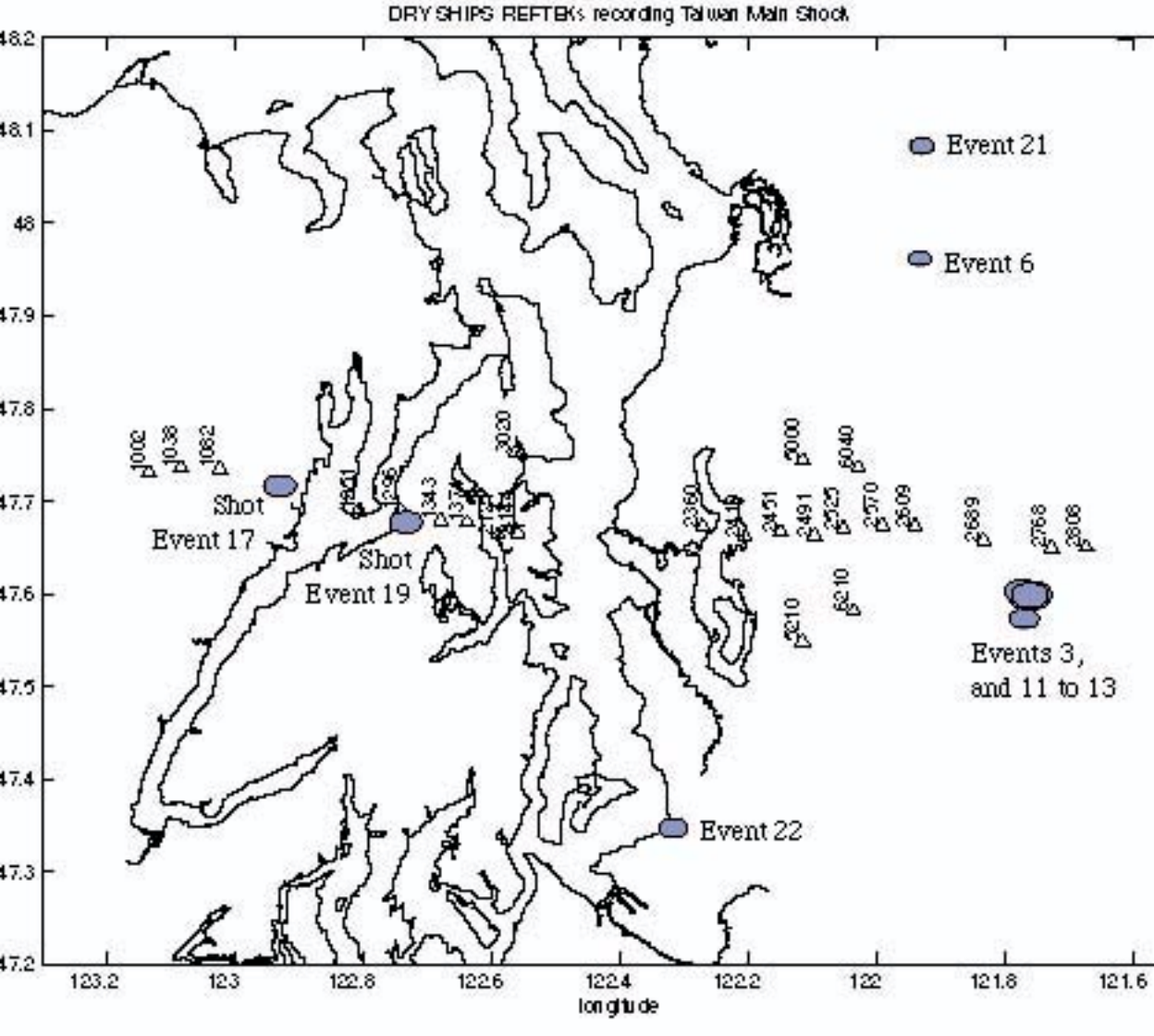

Figure 48. Map showing locations of Refteks that recorded the M7.6 Chi Chi mainshock. El
show locations of local earthquakes that were also recorded by these Refteks (see Table 6a).
Events 17 to 19 correspond to our own shots.

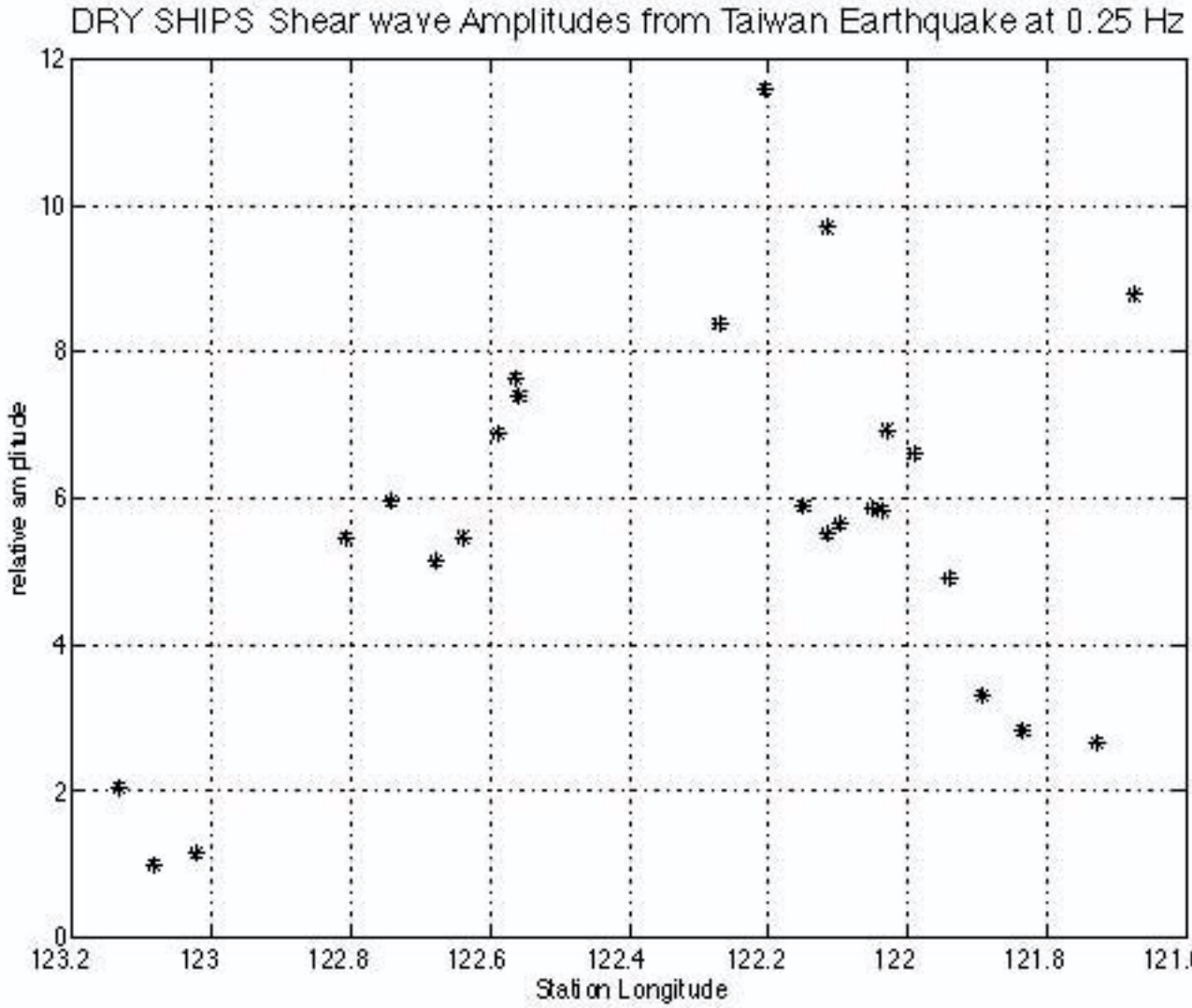

Figure 49. Relative amplitudes of shear wave arrivals from the M7.6 Chi Chi earthquake. These amplitudes represent the relative amplitudes of the east-west horizontal (nearly radial) component. The data were first low pass filtered with an upper corner of 0.25 Hz.