

## Temporal change of waveform observed by seismic array for explosions before and after M6.1 earthquake of 1998 in Iwate pref.

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Seismic array was deployed out in Ou backbone range in northeastern Japan. The array locates 30km south from hypocenter 1998 Shizukuishi earthquake (M6.1). Explosion experiments above the hypocenter were carried out before and after the earthquake occurrence. From analyzing waveform observed by the array using slant stack technique, a few portions of waveform change during time interval between two explosions. The portions correspond to 7 and 12km depth beneath hypocenter.