

Near-source reflector of a moderate size (M6.1) earthquake west of Iwate volcano

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An unusual phase is found in seismograms recorded by an array deployed on the north flank of Iwate Volcano. We interpreted the phase as reflected P-wave and estimated the location of reflector. The reflector is located near the hypocenter of a moderate size (M6.1) earthquake that took place to the southwest of Iwate volcano. This suggests the triggering of the quake by crustal fluids that form the reflector.