

## The attenuation characteristics of S-coda wave ( $Q_c$ ) in Onikoube area, Miyagi Prefecture, NE Japan.

# Hidetoshi Miura [1], Akiko Hasemi [2], Masahiro Kosuga [3], Akihiko Ito [4], Akira Hasegawa [5]

[1] Yamagata Univ, [2] Earth and Environ. Sci., Yamagata-Univ., [3] Faculty of Sci. & Tech., Hirosaki Univ., [4] Utsunomiya Univ., [5] RCPEV, Graduate School of Sci., Tohoku Univ.

<http://ksgeo.kj.yamagata-u.ac.jp>

After the earthquake of M5.9 occurred in Onikoube area (Miyagi pref. NE Japan) on August 11, 1996, aftershock activity has been continuing. Using the data obtained by aftershock observations from October to December, 1996 we calculated  $1/Q_c$  values based on the single scattering model proposed by Aki & Chouet (1975). Epicentral distance is shorter than 15 Km, focal depth is about 7 Km and magnitude is larger than 1.8. From the results we realized that  $1/Q$  is high in NW part of this area and low in NE. This tendency matches geological structure in this region.