

## Microearthquake activity in and around the fault plane of the 1962 M6.5 Miyagi-ken Hokubu Earthquake

# Toshio Kono [1], Norihito Umino [2], Tomomi Okada [2], Toru Matsuzawa [3], Yoshihiro Ito [2], Ayako Nakamura [4], Youichi ASANO [2], Junichi Nakajima [2], Akira Hasegawa [4]

[1] RCPEV, Graduate School of Sci., Tohoku Univ., [2] RCPEV, Tohoku Univ., [3] RCPEVE, Tohoku Univ., [4] RCPEV, Graduate School of Sci., Tohoku Univ.

Microearthquake activity is still active in the focal area of the 1962 M6.5 Miyagi-ken Hokubu Earthquake. Detachment fault might be delineated by a nearly horizontal distribution of microearthquakes that occurred in the deepest portion of the fault plane of the M6.5 event. V-shaped distribution of microearthquakes is seen in the northern extension of the fault plane. Earthquakes occurring on the fault plane have similar focal mechanisms to that of the M6.5 event, but those occurring in the northern extension have different focal mechanisms.