

## Present status and future plans of broadband seismology around Antarctic region

# Katsutada Kaminuma[1], Masaki Kanao[1]

[1] NIPR

[http://geoipx.nipr.ac.jp/~kanao/seismic\\_obs](http://geoipx.nipr.ac.jp/~kanao/seismic_obs)

Broadband seismic observations have been carrying out from 1989 at Syowa Station, Antarctica. Data archive and publication has also been conducted by NIPR in connection with PAIFIC21 center. The present status and future plans are presented in relation to the several scientific studies held at FDSN stations in Antarctic region. Scientific significance and present examples of broadband array observations are also summarized both for JARE and the other regions including South Pole area. Inner structure of the Earth from surface crust to inner core will be analyzed in detail in the coming decade.