

## Active tectonics of Atsumi hanto-oki fault system, based on seismic stratigraphy and NSS pin-point coring

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14 submarine normal faults are distributed on the shelf between longitude 137-10'E and 137-50'E off Atsumi peninsula, that named Atsumi hanto-oki fault system. Faults extend over several tens of kms in the east-northeast to west-southwest directions. Based on seismic reflection survey, all faults apparently show north downthrown. Some faults in this area are considered to have been mostly active since last glacial periods, because, some of them are cutting the erosional surface of the shelf top.

We were success to pin-point piston core sampling using Navigable Sampling System (NSS: ORI) on KY03-11 cruise. Seven cores have been sampled on the Atsumi hanto-oki fault system. Seismic stratigraphy and NSS pin-point coring indicate that the Atsumi hanto-oki fault system started activity at 0.95Ma or later.