

## Detailed Structure of the Subducting Philippine Sea Slab (1) - Adjuvant Array Observation of the 2001 Tokai-Chubu Profile -

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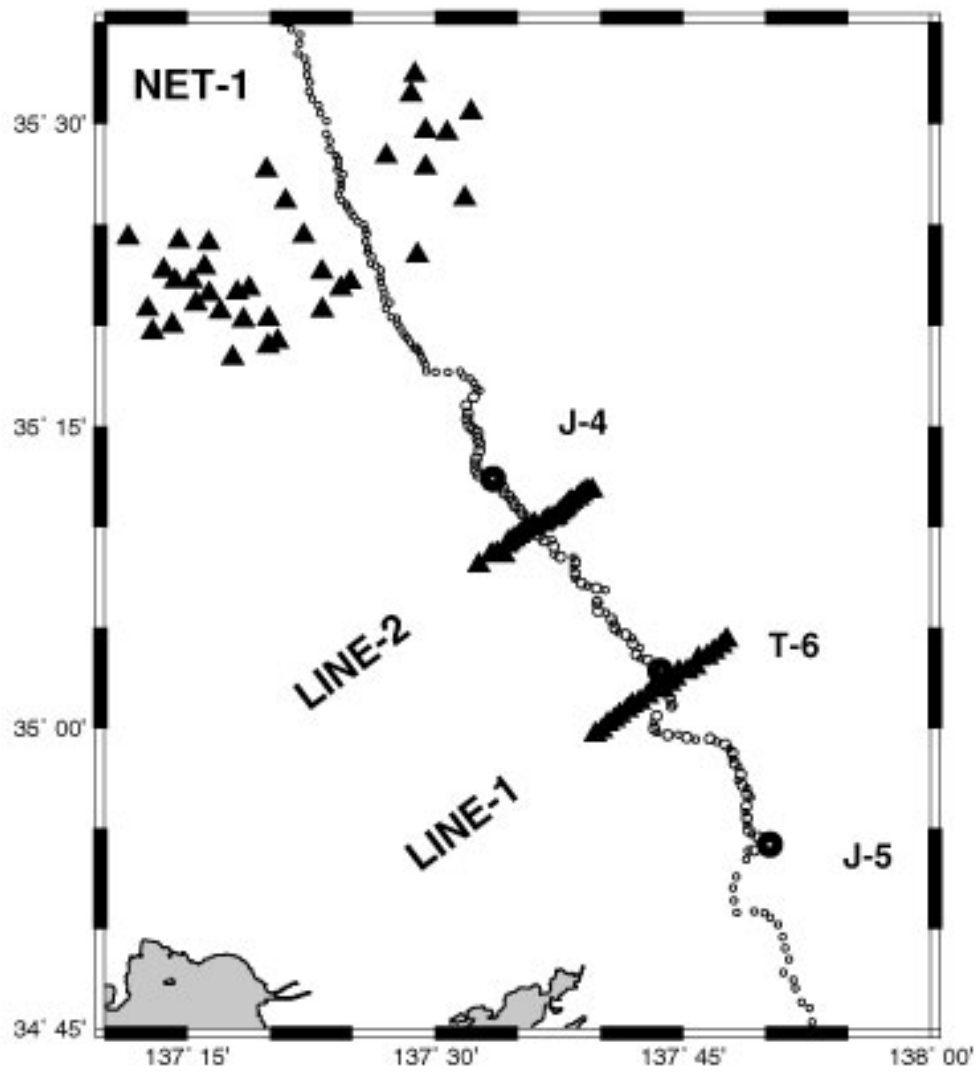
[1] Res. Ctr. Seismol. & Volcanol., Nagoya Univ.

In August 2001, as a project in JAMSTEC, the long seismic profile that across the central part of Honshu, Japan has executed with 6 shot points. The purpose of this experiment has 2

points, mainly. One is to elucidate the whole structure of the subducting Philippine sea slab in the area from the oceanic region through inland. Another main purpose is to establish the crustal structure model in this area. The university group maintained the observation in land. In addition to this observation, we, the members of PHS Slab Imaging Project Team deployed the 3 short adjuvant seismic observation arrays to clarify the more precise structure of the subducting slab. The main target of our additional observation was the reflected waves from the upper boundary of the slab. We indicate these 3 arrays (Line-1, Line-2 and Net-1) in the figure.

We observed the remarkable phases considered as the reflection waves from the surface of the subducting slab, especially in the records at J-5 shot. We engage the data processing of these reflection waves and intend to analyze them with the data observed in the nearby main profile sites. To analyze the fine structure of the subducting slab, it is inevitable to know the velocity structure in the upper zone. We consider they will be defined with the data processing on the main profile observation.

## Additional Observation Stations



## 2001 Chubu-Tokai Profile (J-5, L-2)

