

## Density structure in the subduction zone -Based on the data obtained from R/V "KAIREI"

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Frontier Research Program for Subduction Dynamics, JAMSTEC has operated seismic surveys, including MCS and OBSs refraction / reflection experiments. The main target areas of these surveys are both the Nankai Trough and Japan Trench. Since April in 1997, R/V "Kairei" has carried out not only seismic experiments but also gravity and magnetic measurements, so that we can analyze the crustal structures from various viewpoints. In this study, we will estimate the density structure of the subduction zones based on the velocity structure.