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SCG059-P05

Room:Convention Hall

Time:May 27 10:30-13:00

Imaging of initial structure in Izu-Ogasawara arc obtained by seismic reflection experiment

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It is important to investigate crustal reconstruction for understanding arc evolution. To obtain the knowledge of arc evolution, we should investigate the condition of initial arc crust. In Izu-Ogasawara forearc region, it is known to locate the outcrop of initial arc crust by submarine study. Therefore, Japan Agency for Marine-Earth Science and Technology carried out seismic reflection and refraction surveys in Izu-Ogasawara forearc region in KR10-13 and KR11-01 cruise. Onboard preliminary results show the concave basement along Ogasawara Trough and thin sediments. In this meeting, we will report the preliminary MCS results in these cruises.

Keywords: MCS survey, IBM forearc, initial arc structure