

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

©2011. Japan Geoscience Union. All Rights Reserved.



SCG059-P06

Room:Convention Hall

Time:May 27 10:30-13:00

The configuration of paleo-arc in Izu-Ogasawara forearc region

Mikiya Yamashita^{1*}, Naoto Noguchi¹, Shuichi Kodaira¹, Narumi Takahashi¹, Seiichi Miura¹, Yoshiyuki Tatsumi¹

¹JAMSTEC

In Izu-Ogasawara forearc region, it is known to exist two paleo-arcs formed in Oligocene and Eocene age (e.g. Taylor, 1992). It is important to investigate the configuration of these paleo-arcs for understanding of the crustal evolution by backarc rifting. Japan Agency for Marine-Earth Science and Technology has been carried out seismic refraction and reflection survey using 90 OBSs on Izu-Ogasawara forearc region in 2010 (KR10-13 cruise) for understanding the configuration of paleo-arc along from Shinkurose to Ogasawara Trough. Obtained preliminary results show the clear reflection from seamount and sediments in forearc basin.

Keywords: MCS survey, Paleo-arc, rifting