

SCG086-P14

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A variety of MORB-like basalts dredged from the trench slope of Bonin Ridge and the Hahajima Seamount, Izu-Bonin forearc

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Basalts are dredged from the trench slope of the Bonin Ridge and the Hahajima Seamount, southern Izu-Bonin fore-arc. Their geochemistry resembles mid-ocean ridge basalts (MORB). MORB from the trench slope of the Bonin Ridge is E-MORB based on its abundances of trace elements. On the other hand, every MORB from the Hahajima Seamount are N-MORB. In addition, the latter are divided into High-Ti type and Low-Ti type by their geochemical characteristics.

Details are reported in Japanese.

Keywords: Izu-Bonin forearc, MORB, Hahajima Seamount