

Characteristics of the black limestone in the Permian and Triassic limestone of top of paleo-seamounts

Ayano Ota [1], Yukio Isozaki [2]

[1] General Systems Studies, Tokyo Univ., [2] Earth Sci. & Astron., Univ. Tokyo Komaba

The Permian and Triassic limestones in the Jurassic accretionary complex in Southwest Japan were primarily derived from cap reefs on the top of paleo-seamounts in the Panthalassa. They recorded pelagic shallow water environments at the time of Permo-Triassic boundary. Contemporaneous black organic/anoxic limestones from Kamura seamounts are investigated petrographically to clarify the unique environments. Black limestones of Guadalupian are also investigated for comparison.