

# Vitrinite reflectance data and its tectonic implication from the Emi Group in the southern part of the Boso Peninsula

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We present the vitrinite reflectance data from the Emi Group, part of a Miocene accretionary prism in the Boso Peninsula, southeast of Tokyo, Japan. The reflectance value ( $R_o$ ) ranges from 0.2 to 0.4, mostly around 0.3. Assuming the paleo-geothermal gradient is 40-50 C/km as same as it in the Nankai accretionary prism, the maximum burial can be estimated about 1-2 km, suggesting that the deformation experienced at such a shallow level in an accretionary prism.