

Thermal structure on the subducting Philippine Sea Plate in Nankai Trough: Inferred from distribution of gas hydrate BSRs

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Thermal structure on the subducting plate is one of the most important factor in constraining interplate great earthquakes. The aim of this study is to infer the thermal structure on the subducting PSP from distribution of gas hydrate BSRs on the Nankai Trough seismic reflection profiles. Inferred thermal structure shows regional difference between offshore Muroto and Ashizuri.