

## The temperature rise along coseismic slip within ancient Nankai trough

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We are trying to understand mechanisms of inter-plate earthquake at Nankai trough by studying of ancient accretionary prism occurred in Kochi prefecture. It was revealed that fault slips results the frictional melting within the accretionary prism as same as crust (Ikesawa and Sakaguchi, AGU abstract 2000). In this study, We estimate how much the fault slip rose the fault surface temperature.