

Comaparative study of subduction earthquakes between Nankai torough and Hyuga-nada

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The Nankai trough is an appropriate site for studying mechanism of great earthquakes and implementing an earthquake forecasting program because of the wealth of geophysical and geological data of the region, including: 1) Recurrence intervals and fault geometry are well understood on the basis of a 1,300 year history since the first documented event of 684 AD; 2) Mechanisms of the recent earthquakes are well understood from various data; 3 Variations of coupling rates of a major controlling factor can be observed along the Nankai trough.