

## **Distribution of Holocene turbidities in the Tosabae Trough and an adjacent landward slope basin in the Nankai Trough**

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We investigated three piston cores from landward slope basins in the Nankai Trough off Muroto, southwest Japan, in order to detect Holocene paleoearthquake traces. Two of three, Cores KR9705P1 and KR9911PC1 were obtained from the Tosabae Trough, and the other Core KR9911PC2 from an adjacent landward slope basin. Each turbidities layer from those three piston cores are correlatable, at least partially, based on the combination of visual core observation, CT scan images, grain size analysis, and magnetic susceptibility data. Total 28 of 31 turbidities in Core KR9705P1 (Iwai et al., 2004) were reconfirmed in KR9911PC1 from same basin.