

Imaging of the seismogenic zone off Tokai, eastern Nankai Trough

Hidekazu Tokuyama[1]

[1] ORI, Univ. Tokyo

We performed 3D Multichannel seismic survey using French R/V Nadir in 2000 by the framework of KAIKO/Inter Margins. The objective of the survey is to make a clear image of the seismogenic zone off Tokai, eastern Nankai Trough. The result of the survey suggests that the Tokai Thrust and Kodaiba Fault recognized as deep as approximately 10km from the sea surface and merged with the decollement which is gently dipping to the north traced from the axis of the Nankai Trough.

We performed 3D Multichannel seismic survey using French R/V Nadir in 2000 by the framework of KAIKO/Inter Margins. The objective of the survey is to make a clear image of the seismogenic zone off Tokai, eastern Nankai Trough. The result of the survey suggests that the Tokai Thrust and Kodaiba Fault recognized as deep as approximately 10km from the sea surface and merged with the decollement which is gently dipping to the north traced from the axis of the Nankai Trough.