

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

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HDS029-P01

Room:Convention Hall

Time:May 25 16:15-18:45

Offshore active fault survey "Futagawa-Hinagu Fault Zone"(1) Results of the High-resolution Multi-Channel Sonic survey

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The 100-km-long Futagawa-Hinagu Fault zone is extending from piedmont of the Aso volcano to the Yatsushiro sea. The south-western extent of fault zone, composed by many NE-SW trending faults in the Yatsushiro sea bottom. We have conducted high-resolution shallow sonic survey using boomer source and 24-channel, 3.125-m-channel-interval streamer to clarify the precise fault-trace distribution, fault deformation features and displacement of the fault group in Yatsushiro sea. The acoustic profiles imaged several steep faults and the related narrow graben and folds.

Keywords: Futagawa-Hinagu Fault Zone, Offshore, active fault, strike-slip fault, Yatsushiro-sea