

Continuation of Submarine Active Faults in Sagami and Suruga Bays towards Inland Area

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We discuss on continuation of submarine faults in Sagami and Suruga bays to inland active faults based on newly made submarine topographic maps of the bays. We processed multi-beam sonar data obtained by Japan Coast Guard and generated 3 second-mesh DEM. Based on these data we made 1:100,000 scale map with 10m-interval contours. Submarine active faults in the bays are well recognized as fault scarps, flexure scarps across submarine fans and submarine valley floors on the sea-floor extensions of the plate boundary faults in Sagami and Suruga troughs. Detailed locations of the extended inland fault traces suggested possibility of migration of large activity toward branching fault traces from previously known major traces.