

Crustal density structures around the Tokusa-Jifuku and the Shibuki faults from gravity anamals

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Gravity measurements have been performed around the Tokusa-Jifuku and Shibuki faults on Oct. 13 to Nov. 13, 1998, to reveal the crustal density structures. Numbers of measurement points are 365 and 257 around the Tokusa-Jifuku and the Shibuki faults, respectively. These active faults make up parts of the NE-SW-trending lineaments which are predominant in the westernmost Honshu. The 30-km long, right-lateral Tokusa-Jifuku fault extends from Tsuwano town of Shimane Prefecture to Yamaguchi City. The 15-km long Shibuki fault is developed from Misumi town to Toyoda town of western Yamaguchi Prefecture. The relationship between these active faults and crustal density structures is also discussed.