

# Gravity investigation across the surface rupture associated with the 2004 Mid-Niigata Prefecture Earthquake, central Japan

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A gravity survey across the surface rupture associated with the 2004 Mid-Niigata Prefecture Earthquake, central Japan. Gravity measurements were conducted at 110 points with about 100 meter interval along two profiles. The main purpose of the survey is to obtain detailed gravity anomalies. A crustal density model was obtained by fitting the calculated Bouguer anomaly to the observed the crustal densities from crustal P-wave velocities by the seismic profile (Sato et. al., 2005).