

Temporal Changes in Precise Gravity around Omaezaki Area, Central Japan, by SCINTREX Gravity Meter (1997-1999)

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Precise relative gravity measurements using a SCINTREX CG-3M meter have been repeatedly carried out around Omaezaki area (from Haruno into Omaezaki, via Kakegawa) at intervals of about 3 months from July, 1997 to December, 1999 to detect the temporal and spatial changes in gravity. The accuracy of the CG-3M meter was evaluated to be less than 5 microgals from the standard deviations derived from the least square solution of the relative gravity values and the instrumental drift. On the southeast side of Kakegawa, relative gravity increases annually as it goes southeastward. This tendency reflects that the Omaezaki Cape is subsiding by convergence of Philippine Sea Plate.