

Seismological and geodetic analyses of superconducting gravimeter records at Inuyama Station

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A CT-type superconducting gravimeter (SG) was installed at Inuyama station (INU) in 1999. We reported the result of a preliminary analysis of INU SG records in 2002. In this study, at first, we try to detect a coseismic gravity change associated with the 2004 Off Kii-Peninsula Earthquakes. After removing earth tides, atmospheric effects and hydrological effects, we detected about -2 microGal gravity change. Second, by analyzing low frequency normal modes of the 2004 Sumatra Earthquake, we compare performances of SG and STS-1 at INU.