

Post-seismic crustal deformation after the 1946 Nankai earthquake observed by tide gauge data

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Using available tidal gage data, crustal deformations before and after the 1946 Nankai earthquake are investigated. Gradual rising of tidal level of about 20cm observed at Shimotsu, Kobe and Uwajima during two years after the earthquake suggests that land subsidence occurred around those stations after the earthquake. On the other hand lowering of the tidal level of about 10cm during two or three months after the earthquake found at Urugami indicates that post-seismic slip occurred at deeper parts on the interplate boundary near the station as well.