

Change in the subsidence rate on the western coast of Suruga Bay estimated from leveling measurements

Hiromi Takayama[1], Akio Yoshida[2]

[1] Kakioka Mag. Obs., Japan Meteor. Agency, [2] MRI

We investigated data of leveling measurements on the western coastal area of Suruga Bay by using Baysea Procedure of Seasonal Adjustment. Followings are the summary of the analyses.

1. Subsiding rate seems to have been slowed down since 1995.
2. Subsiding rate was accelerated during the periods 1987-89 and 1994-95.
3. Subsiding rate was almost the same during the periods 1982-87 and 1990-1995.

It is known that a conspicuous quiescence was observed for earthquakes with M2.5 or larger during the period 1987-89 in the Tokai region (Yoshida et al., 1998) and the seismic activity again has become very low since the last year. Pattern of the crustal deformation on the western coastal area, however, seems not the same for these two periods.