

## Crustal deformation around Suruga Bay inferred from monthly mean sea level

# Akio Kobayashi[1], Akio Yoshida[1], Shinzaburo Ozawa[2]

[1] MRI, [2] Geographical Survey Institute

Vertical movement at each tide station around Suruga Bay was investigated using Tsumura's (1963) method. We used data of monthly mean sea level at Uchiura, Omaezaki, Yaizu, Shimizu and Tago. We found that there has been no vertical movement at Uchiura during the period from 1978 through 2000. This is consistent with the result obtained by leveling measurements. In the meanwhile it was shown that Omaezaki subsided at a nearly constant rate of 7.8mm/year through the period. This rate is almost the same as that estimated by GPS observation in recent years. Every station except Uchiura shows subsidence, although it is seen that there was a fluctuation in the rate.