

Sea level change at Uragami before the Nankaido earthquake of 1946

Norihiro Manago [1], # Akio Kobayashi [2], Akio Yoshida [3]

[1] Shionomisaki Weather Sta., JMA, [2] JMA, [3] Earthq. Pred. Inf. Div., JMA

It was reported that there might have been a precursory crustal deformation which started one and a half days before the 1946 Nankaido earthquake on the basis of sea level data at Tosashimizu and Hosojima(Sato, 1977). In order to confirm the existence of precursory crustal deformation, we investigated minutely sea level data at Uragami and Shimotsu before the 1946 Nankaido earthquake. By removing tidal change and effects of atmospheric pressure from the sea level data at these two stations, and taking the differences between the corrected data, we found that the sea level at Uragami showed rising about 2 days before the Nankaido earthquake. We consider that this rise of sea level might indicate starting of subsidence in the coastal area near Uragami.