

A rainfall correction of the strainmeter by the Radar-AMeDAS rainfall

Kazuhiro Kimura^{1*}, TSUYUKI, Takahiro², AKIYAMA, Kana², MISU, Hiromi²

¹Meteorological Research Institute, ²Japan Meteorological Agency

Kimura et al.(2012) tried to a rainfall correction of the JMA's volume strainmeter for forecasting of the Tokai earthquake, a tank model of three levels got a good result. It means that the reply of the strainmeter by the rainfall is effect of the load by the rainfall.

We try to a rain fall correction of the volume strainmeter by the Radar-AMeDAS rainfall. The true observation data of the precipitation in the neighborhood is most effective. If there is not such data in the neighborhood, The data of Radar-AMeDAS rainfall may be most effective. For a rainfall correction of the strainmeter, the precipitation of the observation point is the most important.

Keywords: Strainmeter, Rainfall correction, Tank model, SCE-UA method, Radar-AMeDAS rainfall