

## Rainfall correction of strainmeter data in consideration of the flow from the upper reaches (1)

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Kimura et al.(2015) showed that the flow from the upper reaches was important for the rainfall correction of the strainmeter. Therefore, Meteorological Research Institute(MRI) started the research by plural technique about the rainfall correction of the strainmeter in consideration of the flow from the upper reaches.

At first, I try the rainfall correction of the strainmeter by the introduction of the upper precipitation data of the mountain. Higashiizu-Naramoto is located in the foot of Mt. Amagi, and comes under influence that the rainfall of the mountain flows in as groundwater. The strainmeter data at Higashiizu-Naramoto was corrected only using precipitation data at Inatori(130m above sea level) Amedas(Automated Meteorological Data Acquisition System) until now. After incorporating the precipitation data of Amagisan(1,070m above sea level) AMEDAS for this, an improvement effect was provided.

In addition, MRI try the rainfall correction of the strainmeter by the observation of the river water level. Shimada-Kawane is located near the Minari River,and and comes under influence that the rainfall of the upper reaches as flow of the river. Therefore MRI install a ultrasonic type level gauge on the river.

In this announcement, I explain these summaries.

Keywords: strainmeter, rainfall correction, the flow from the upper reaches