

The rainfall correction of E-W component of the tiltmeter at Mt. Ontake Tanohara (1)

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Several minutes before eruption of Mt. Ontake of September, 2014, it is an obvious fact that there was a change of the clear mountain rise to the tiltmeter of Mt. Ontake Tanohara. However, the tiltmeter is affected by the rainfall, and we were not able to confirm other changes until now.

We tried the rainfall correction of E-W component of the tiltmeter at Mt. Ontake Tanohara, and I was able to get the good result during the period when rainfall is liquid (from June to October). As a result, We were able to confirm a change of the mountain rise from about September 10, 2014 in the same timing that earthquakes increased under the summit of Mt. Ontake. However, the change of such the tiltmeter was confirmed several times in the past. This change of the tiltmeter is thought to be a noise or a signal, a judgement is divided by each person.

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