

Re-expansion of the Unzen volcano revealed by GPS and leveling survey

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Mt. Fugen of the Unzen volcano, which started eruption in November 1990, spouted out with magma of about 200 million cubic meters between five years, and the activity stopped in 1995. A shrinkage phenomenon by a spout of magma was observed around the west of Unzen volcano. As a result of leveling and GPS surveying, it became clear that a western part of Unzen volcano expanded by degrees after eruption stopped.

Leveling and GPS surveying will need to be continued in order to estimate future volcanic activity.