

Pressure sources at Iwate Volcano estimated from the precise leveling in the period July 1998 to May 2000.

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The Iwate volcano is more active since 1998. We had leveling seven times on the southern the foothills of the Volcano in July 1998 to May 2000. Uplifts of 10- 20 mm are observed at Iwate in the every survey period. We estimated the pressure sources southward from Oomatukura with depths of 2 -4 km from the uplifts using the Mogi solution. Increasing volume of the sources are limited to $1.5 \times 10^6 \text{m}^3$ through the period. Increasing rates are attenuated with the time. The locations of the sources are shifted to northwestward and deeply from the nearby Amihari. In the northwestward of the source, GSI is estimated the pressure source by SAR. Although leveling is the old technology to detect the crustal deformation, it is effective to discuss the pressure source with a magnitude of 10^5m^3 .