

## Vertical deformation in the Tokai region detected by GSI GPS network in the period 1996 to 1999.

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Subsidence observed at Omaezaki, Tokai region suggest to be mitigated in the late few years. We detect the four or five-year frequency in the vertical and horizontal deformation at Tokai region. We discuss the vertical deformation in Tokai region observed by GSI GPS network in April 1996 to March 1999.

Vertical deformations are calculated every year at the GPS sites by the linear combination from the GPS resolution. In the period April 1996 to March 1997, remarkable uplift over 1 cm is detected around the Lake Hamana, which means the ground tilting to eastward down. After March 1997, striking vertical deformation is not extending in the region. It is suggested that the striking vertical deformation was undergoing in 1996, after then the crustal deformation is mitigation in the region.