

## Deep low frequency earthquakes in Mie Pref. and Ise Bay on Nov. 2008 and crustal strain changes at AIST stations in Aichi Pref.

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Geological Survey of Japan (GSJ), National Institute of Advanced Industrial Science and Technology (AIST) constructed stations in Aichi Prefecture and has been observing crustal strains, groundwater levels and others. At TYE station in Toyohashi City, Aichi Prefecture, crustal strain changes were repeatedly observed with deep low frequency earthquake activities in Aichi Prefecture. In addition, when deep low frequency earthquake activity migrated from Mie Prefecture to Aichi Prefecture on January 2006, crustal strain changes at TYE were observed with activity in Ise Bay. Since the summer of 2008, at TYS station in Toyota City, Aichi Prefecture, crustal strains, groundwater levels and others have been observed.

On November 2008, deep low frequency earthquake activity occurred in Mie Prefecture and Ise Bay, and crustal strain changes were observed at TYE and TYS. These changes are explained by short-term slow slip event (SSE) on the plate boundary under Ise Bay. It is estimated that the SSE did not spread under Aichi Prefecture. In this presentation, we will show the crustal strain changes at TYE and TYS with the activity on November 2008, and estimate a dislocation model of the SSE.