**Jp-024** Room: C416 Time: June 6 12:00-12:15

## Recent activity of volcanic tremor with very long period waves at Mount Bandai

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We observed five volcanic tremor associated with recent volcanic activity of Mount Bandai. The tremor generate long period waves of about 10 s as well as short period waves of > 1 s. Our analysis of the particle motion of the long period waves indicates that the tremor is located at a depth of 5km of about 3 km far from the summit in the NNE direction, which is clearly apart from the source region of volcano tectonic earthquakes observed around the summit from April to August 2000. While the source location of the tremor does not show a significant temporal change, the amplitude of long period waves become larger after a time. Our moment tensor inversion result shows a inflation and deflation motion of the source, which may be related with magmatic fluid activity beneath the volcano.