

## How was activity of Low-frequency tremor before 1999 in the Tokai area?

# Noriko Kamaya[1]; Akio Katsumata[2]

[1] JMA; [2] Meteorological College, JMA

The Tokai slow slip has been detected since midyear of 2000. Synchronism of the Tokai slow slip and an activity of Low-frequency events (LFE) in the east of Aichi Prefecture was pointed out on the basis of low-frequency event list since 1999. In this report, continuous wave data at Asahi station (F-net, NIED) in Aichi Prefecture from 1997 was analyzed in order to reveal activity of the low-frequency tremor before 1999 for the first time and to check the event list since 1999. Length of detected duration of the tremor is well-matched with change of numbers of LFE since 1999. Moreover, results of the analysis indicate that clear change of activity of the tremor as follows. The activity of the tremor around Asahi was quiet from 1997 to 2000. It had been active from 2001 to 2002. In 2003, it became more active. The timing of these changes is agreed with that of acceleration and deceleration of the Tokai slow slip.