

S169-007

Room: 301B

Time: May 26 10:18-10:30

Small array observation of the deep non-volcanic tremor in Aichi from September to November, 2007

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An activity of the deep non-volcanic tremor occurred under Aichi prefecture in Tokai region from September 26 to October 11, 2007. Obara (2002) reported that the deep non-volcanic tremor was generated in the subduction zone of the Philippine Sea plate beneath the Japan plate. The nearly same tremor was observed in the Cascadia subduction zone (e.g., La Rocca et al., 2005). The array is shaped as a triangle with the side lengths of about 100m. We observed it by a small array installed in the active area of Aichi prefecture. We report a seismological result especially by seismic wave analysis of the observed tremor. We put six high sensitive and three- component 2Hz seismometers for the array. The seismic wave data were transmitted to Tono institute (TRIES) in Gifu prefecture by using LAN and telephone system. We analyzed the low frequency events (LFEs) which were reported by JMA.