

## Basic study on detecting short-term SSE by using GPS and tiltmeter data

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We tried to detect short-term slow slip event by using both GPS and tiltmeter data. Detecting procedure for GPS-detecting is almost Nishimura's and tiltmeter-detecting is similar to that of Kimura et al. However, we focus on spatial distribution of SSE.

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Takuya Nishimura, Takanori Matsuzawa, and Kazushige Obara, Detection of short-term slow slip events along the Nankai Trough, southwest Japan, using GNSS data, *JOURNAL OF GEOPHYSICAL RESEARCH: SOLID EARTH*, VOL.118, 3112-3125, doi:10.1002/jgrb.50222, 2013.

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