

Seismicity along the Nankai Trough off cape Muroto inferred from repeated OBS observations

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We have observed micro-seismicity along the Nankai trough off cape Muroto by using pop-up type ocean bottom seismographs repeatedly. An observation period was 9 months in total from 1998 until 2000. We have obtained the hypocenter distribution around the updip limit of the seismogenic zone from the observations until 1999. The velocity structure models based on the seismic survey results were used in the hypocenter determination. We performed an observation again for 2 months from June, 2000. In this observation, OBSs were deployed in a wider area than past observations. We plan to analyze the hypocenter distribution based on the realistic 3-D structure and also focal mechanisms.