

## Mysterious low-frequency earthquakes occurred in Hyuga-nada region

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Very low frequency earthquakes frequently occurred in Hyuga-nada region. We try to investigate the activity and the characteristics of these earthquakes since 2000. These events are found by using the filtered F-net broadband seismograms with pass band of 0.02-0.05Hz.

We find that the activities of these earthquakes correlated with huge interplate earthquakes (2003 Tokachi-oki, 2004 Sumatra, 2005 Sumatra, and 2006 Kuril) and the activity continued for several hours to several days. The most vigorous activities occurred in 2002 and 2007.