

Differential pressure monitoring on the seafloor

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We carried out observations of differential pressure variations on the seafloor off Sanriku and near Miyake Island with two ocean bottom pressure gauges in each site. At the off-Sanriku site, we observed variations for about 6 months from April 25, 2000. The results for 174 days show negligible drift change, and the variations show ocean dynamics with period around 20 days. We also monitored differential pressure variation at the site near Miyake Island for about one and a half month from August 20, 2000. The results indicate an ocean bottom crustal movement as well as the ocean dynamics related to the Kuroshio currents.