

## Multi-channel seismic experiments in the Western Pacific in 2007

# Kentaro Kaneda[1]; Azusa Nishizawa[2]; Yasutaka Katagiri[3]; Mitsuhiro Oikawa[4]; Naoko Watanabe[5]; Yukihiro Kato[3]

[1] HODJ; [2] Hydrogr. & Oceanogr. Dep., JCG; [3] Hydrographic and Oceanographic Dept. of Japan; [4] JCG; [5] Hydrographic and Oceanographic Dept., JCG

Japan Coast Guard conducted multi-channel reflection experiments on 17 survey lines in the Western Pacific in 2007. As a seismic source, 8040 inch<sup>3</sup> airgun array (composed of 36 airguns) was towed and fired equal distance of 50 m. Survey vessel also towed a 6000 m long multi-channel streamer cable with 480 channel receivers spaced at 12.5 m intervals. Sampling frequency was set at 500 Hz.

The experiments were carried out in the four survey area: northern Kyushu-Palau, southern Kyushu-Palau, Ogasawara Plateau and Mariana arc. We report seismic reflection profiles for each survey line and data interpretations.