

Airborne Gravity Survey of Offshore Area of Northern Noto Peninsula

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An airborne gravity survey using a helicopter was carried out in October, 2008 along the northern offshore of Noto peninsula in order to understand a shallow and whole underground structure. Ten measurement tracks including two cross over tracks were arranged within 20km offshore at every 2km spacing and the length of total measurement tracks became about 700km. It has turned out that the Bouguer anomalies by airborne gravity is consistent to the results of the Bouguer anomalies by land and shipborne gravimetry, which gradually decrease toward the offing from a land side, so the accuracy of the system is secured. A local structure with the low gravity of the Wajima bay, which already became clear by sea floor gravity, is also found out, so it turned out that the system has about 10km structural resolution.