

Establishment of an Absolute Gravity Network in East-and Southeast-Asia

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Taking part in the Asia-Pacific Space Geodynamics (APSG) Project cooperation campaigns in IAG, we have collaborated to establish the Absolute Gravity Standard Station Network in East Asia and Southeast Asia (AGSSN-ESEA) with FG-5 absolute gravimeters. This area is located at the boundaries between the Pacific Ocean, Philippine Sea, Indo-Australia and Eurasia plates and other minor plates. Our AG measurement campaign will contribute not only providing standard gravity values for local and regional gravity surveys but also investigating the long-term difference of geodynamic movements between the continent and island arcs. During the period from 2002 to 2005, we have already determined absolute gravity values in the order of micro Gal in China, Taiwan, Indonesia, Malaysia, Philippines, Thailand and Japan.