



First tidal gravity observations on Kamtchatka

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Tidal gravity observations have been carried out for the first time on the territory of Kamtchatka Peninsula, that is the most volcanically active region of the world. Two Scintrex CG-5 gravimeters (#448 and 450) were used. The instrumental intercomparison has been carried out at PET station of Geophysical survey of RAS in Petropavlovsk-Kamchatskii during more than 1 year. Oceanic tidal loading correction has been computed according to the ICET recommendations (mean of 6 oceanic tidal models). Delta-factors agree with model values perfectly whereas phase lags remain after loading correction anomalous (about 1 deg). Local oceanic tidal model is under consideration, as well as 3 more new tidal gravity stations will be installed.