



Activities of gravimetric laboratory at Jozefoslaw Observatory in the frame of geodynamic investigations

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Installations of the absolute gravimeter FG5 No 230 in Astro-Geodetic Observatory at Jozefoslaw in June 2005 gave the possibility for the continuation of the gravity behaviour monitoring. The previous investigations were performed using ballistic (symmetric) gravimeter ZZG, constructed in Poland. The paper presents results of semi-annual interval of determinations of the gravity and geophysical phenomena appeared in non-tidal frequency bands. At the laboratory the tidal gravity measurements have also been performed since 2002 using LC&R ET-26 gravimeter. This elaboration also deals with the results of three and a half years cycle of gravimetric tidal observations adjustment. It also presents the influence of the environmental parameters (seasonal loading effects induced by air pressure and ocean, surficial water table, soil moisture and the rainfall as well) to the gravity changes.