



A new gravimetric reference station in South America: The installation of the Superconducting Gravimeters SG038 at the Argentinian-German Geodetic Observatory AGGO

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In April 2015, the Transportable Integrated Geodetic Observatory (TIGO) of BKG was moved from Concepcion / Chile to La Plata / Argentina and was inaugurated in July 2015 as the Argentinian-German Geodetic Observatory (AGGO). In December 2015 the superconducting gravimeter SG038 was set up. The new station is equipped with four stable pillars to serve as a reference station and comparison site for absolute gravimeters in the future. We report about the overland transportation of the SG with the sphere floating, its installation at the new site and the hydrological instrumentation to observe local water storage changes to model near field gravimetric effects. We give an outlook about the first months of gravity time series and assess the drift behaviour after transport.