



The 4th Release of GOCE Gravity Field Models – Overview and Performance Analysis

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New GOCE gravity field models based on about 2 years of completely reprocessed gradiometer data have been recently released to the user community. They were obtained based on different processing strategies and reflect the state-of-the-art of GOCE gravity field models. With the improved gravity gradients resulting from a number of updates implemented in the level 1B processor and with the additional data set the performance of the resulting GOCE based models could be significantly improved as compared to the previous solutions. The paper provides an overview of the available GOCE models and presents the results of their validation by different means.