



## **Quality management of GOCE Level 1b data products**

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Since the launch of GOCE in March 2009 the Payload Data Ground Segment and the science teams are in charge of assessing and understanding the quality of the observations acquired by the gradiometer and satellite-to-satellite tracking payloads, improving it through calibration efforts as well as by tuning and evolution in the ground processing algorithms, and finally by making sure the official Level 1b and Level 2 data products provided by ESA are systematically (re-)processed with highest-fidelity algorithms. This paper details the effort that has been done in data quality analysis as well as an outlook towards the improved data quality reached with the new version of the Level 1b processors introduced in September 2011.