



GravIS – a new web portal for GRACE/GRACE Follow-On Level-3 Data Products by GFZ

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The GFZ German Research Centre for Geosciences, in collaboration with the Alfred-Wegener-Institute (AWI) Bremerhaven and Technische Universität Dresden, has developed and implemented a new web portal called GravIS (Gravity Information Service). At GravIS, user-friendly ("Level-3") products based on the most recent GFZ GRACE (and in near future also GRACE Follow-on) Level-2 release of monthly global gravity field solutions are visualized and described.

These Level-3 products comprise globally gridded mass anomalies as well as basin average time series and are available for three dedicated applications: (1) terrestrial water storage over non-glaciated regions; (2) bottom pressure variations in ocean basins, and; (3) ice mass changes in both Antarctica and Greenland. Several post-processing steps have been applied to the Level-2 spherical harmonic coefficients before mass anomaly inversion to achieve the highest possible accuracy of the Level-3 products.

The poster gives an overview of the GravIS web portal and examples of the latest Level-3 products are shown. All Level-3 products will also be available for download via GFZ's data archive ISDC.