



Evaluation of recent global gravity field models

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The new gravity field model EGM2008 has been evaluated by comparisons with other, satellite-only as well as combined global gravity field models. Our evaluation comprises orbit adjustment tests, comparisons of the spectral behaviour, GPS/leveling tests and ocean geoid comparisons. In particular, this presentation focuses on the comparison of the EGM2008 with the latest EIGEN models EIGEN-5C and EIGEN-5S (EIGEN = European Improved Gravity model of the Earth by New techniques) which were achieved jointly by GFZ Potsdam and GRGS Toulouse.