



new geoid model of the bay of Biscaye (first results)

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New marine gravity data have been integrated in the SHOM processing tools to improve the knowledge of the geoid. The studied area is covering the continental margin west of France up to Kingstrough structure.

This paper presents the collocation method applied to compute the geoid from marine gravity data. An evaluation of the first results are shown . Tests of the remove/restore methodology are made using global gravity models with various spatial resolutions.

The results are also discussed in term of the data selection and a priori errors to build the input of the processing. Comparisons with published geoid models and satellite altimeter data are done.