

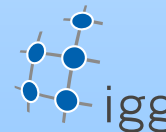


DFG SPP 1257

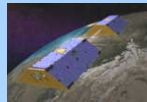
Complete variance-covariance information of gridded datasets from both gravity field models and altimetry: processing strategies

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Gravity field

Normal equation system
of global gravity field

A-priori information

Reparametrization

Gridded geoid undulations
with covariance information



Altimetry

Geophysical Data Records

Along-track gridding of SSH

Long-time mean SSH

Spatial approximation

Gridded SSH with
covariance information

Combination →
Ocean's dynamic topography

Assimilation into an ocean general circulation model