

The satellite gravimetry and postglacial rebound

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Several satellite gravity missions will significantly improve the accuracy of the observed time-dependent gravitational field. It is important for the observed gravity field to constrain the mantle viscosity, the ice-ocean mass balance of Late Pleistocene ice sheets and recent melting of Antarctica and Greenland ice sheets associated with glacial rebound. We discuss the importance and contributions of the observations obtained by satellite gravity missions for glacial rebound based on recent works.