



North American Peripheral Bulge Constraints on mantle rheology

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The most effective way to infer mantle rheology from GIA data proceeds from long wavelengths that probe lower mantle viscous properties to short wavelengths that interrogate upper mantle, asthenosphere, and lithosphere properties. In this poster we focus on the peripheral response to North American deglaciation and demonstrate that the observed response is matched best by a mantle viscosity of $\sim 10^{21}$ Pa s and some combination of a fluid asthenosphere, substantial lithosphere and glacial history.