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Effects of varying ice volume on the Relative Sea Level at the Hanish Sill

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Isostatic adjustments for the Hanish Sill in the Red Sea are required in order to relate the recent continuous and high resolution Red Sea sea level curve to changes in global ocean volume. Global ice models continually evolve in response to improvements in the coverage and quality of historical glacier mass and knowledge on earth rheology and response. The sensitivity of the relative sea level curve at the Hanish Sill due to
temporal and spatial variability in ice volume is investigated using a GIA model. Initial results indicate that global average and Hanish Sill differ by $\sim$18 m at LGM, and a high dependence on global ice volume. Basin loading effects require further investigation.