



Assessing glacier mass sensitivity to climate variability using GRACE/-FO

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GRACE/-FO :

- M-SSA v202512
- SAGSA Ensemble V2.1

Climate reanalysis :

- ERA 5

Large scale sensitivities :

$$\beta_T = 0.339 \pm 0.053$$

m w.e. yr⁻¹ °C⁻¹

$$\beta_{WP} = 0.013 \pm 0.006$$

m w.e. yr⁻¹ per mm month⁻¹

$$\Delta M = \beta_0 + \beta_T \Delta T + \beta_{WP} \Delta WP + \epsilon$$

