

increase

Observed interval

Antarctic ice sheet models

Subsurface Antarctic Ocean temperature

Basal ice shelf melting

Antarctic outlet sea level response

$$\Delta T_O(t) = \alpha_r \cdot \Delta T_G(t - \tau_r)$$

$$\Delta m = \beta \cdot \Delta T_O$$

$$\Delta S(t) = \int_0^t d\tau \, \Delta m(\tau) \cdot R_r(t - \tau)$$