

### Final technical corrections for egusphere-2022-128

- remove double parenthesis in line 49.
- equation (6) : instead of  $\dot{a}_{s,b}$ , it would make more sense to write the sum of surface mass balance and basal mass balance ( $\dot{a}_s + \dot{a}_b$ ) which are defined a few lines below.
- as equation (8) includes 1/50 and 1/100 (which have units), it is important to specify the units of  $H$ ,  $\mathbf{x}$ ,  $\mathbf{x}_g$  and  $\dot{a}_b$ .