

**retreating** Experiments starting from an **ice free glacier surface**,  
regularisation parameters  $\lambda_0 = 10$  and  $\lambda_1 = 100$ ,  $t^{spinup} = 100$  a

fg: first guess  
— and A: 'explicit' approach  
— and B: 'implicit' approach  
— and C: 'iterative' approach

—●— RMSE of  $b$  and  $b_t$   
- -●- - RMSE of  $s_m^e$  and  $s_o^e$   
...●... RMSE of  $w_0$  and  $w_0_t$

