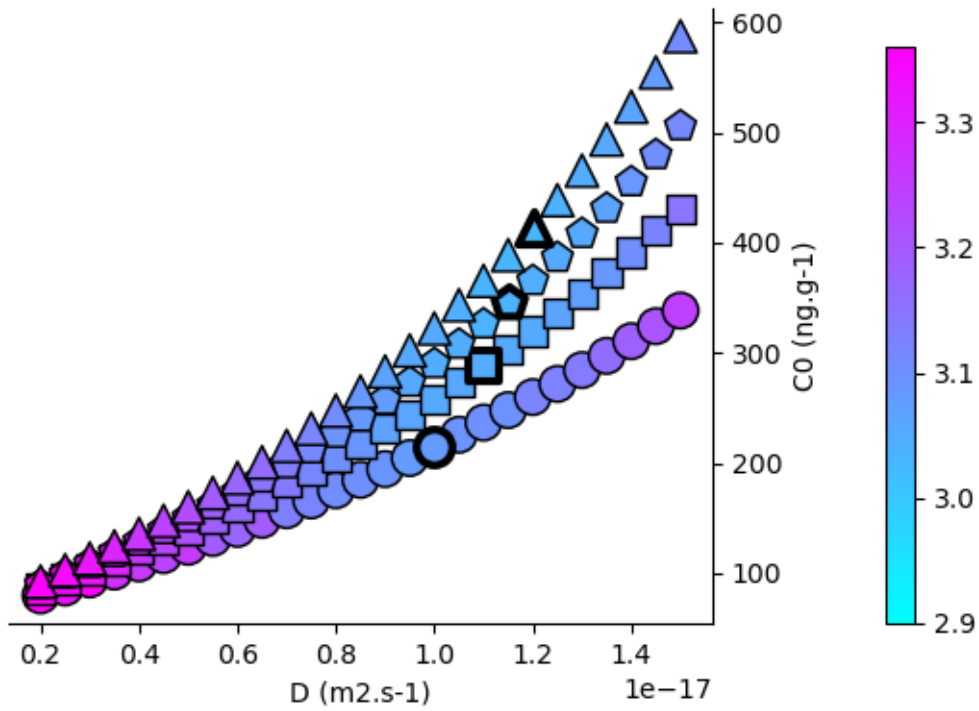Fig. S1



**Figure S1:** Logarithmic of RMSD value between model result and data (color scale) as a function of the diffusion coefficient D and the initial concentration in snow grain $C_0$. The time lag is represented by the symbols: circle (no time lag), squares (4 months), pentagons (8 months) and triangles (12 months).