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Corrigendum to
"Impact of assimilating sea ice concentration, sea ice thickness and snow depth in a coupled ocean–sea ice modelling system" published in The Cryosphere, 13, 491–509, 2019

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Recently an error in Fig. 5 was discovered in the published paper "Impact of assimilating sea ice concentration, sea ice thickness and snow depth in a coupled ocean–sea ice modelling system". A new Fig. 5 is provided in this corrigendum. The new figure shows more apparent differences between the different assimilation experiments, with clear improvements when the SIT observations are assimilated. This supports the major conclusion of this paper that the assimilation of SIT has a significant influence.

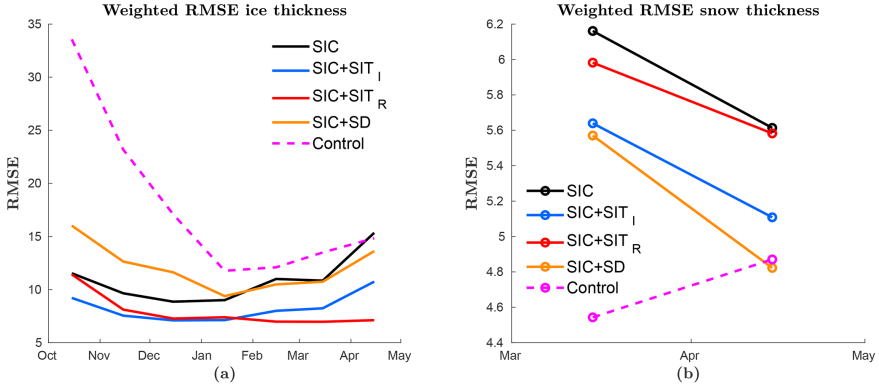

Figure 5. RMSE of monthly averaged model SIT and snow depth averaged over all ensemble members for the years 2011–2013 calculated against the **(a)** combined SMOS-CryoSat-2 SIT product and **(b)** observed snow depth product. These are observations are also used for the assimilation. The lines represent different experiments: black represents SIC assimilation only, blue represents SIC and CryoSat-2 thick internal SIT assimilation, red represents SIC and SMOS and thin rim SIT assimilation, yellow represents SIC and snow depth (SD) assimilation, and dotted magenta represents data without assimilation.

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