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Author Correction: Space lidar observations constrain longwave cloud feedback

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This Article contains an error in Figure 2 where the uncertainty values for the long-term model simulation are incorrect.

The correct Figure 2 appears below as Figure 1. Table 1 contains the corresponding feedback values.

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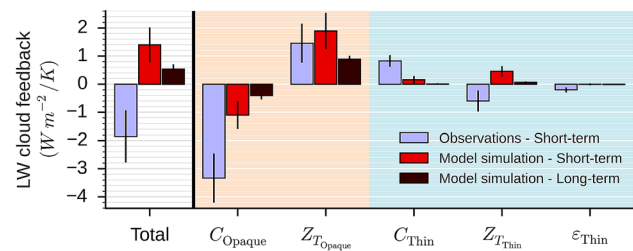



Figure 1. Decomposition of the longwave cloud feedback into five components: the cover of opaque clouds (C_{Opaque}), the altitude of the opaque clouds ($Z_{T_{\text{Opaque}}}$), the cover of thin clouds (C_{Thin}), the altitude of thin clouds ($Z_{T_{\text{Thin}}}$), the emissivity of thin clouds (ϵ_{Thin}). The observed short-term (blue) is derived from space lidar data between 2008 and 2014. The simulated short-term (red) is derived from model + lidar simulator simulation in present-day climate (AMIP) between 2008 and 2014. The simulated long-term (dark red) is derived from model simulations in present-day climate (AMIP) and in a warmer future climate (AMIP + 4 K). All the results are based on monthly mean data over global ocean. Lines on bars are the 95% confidence interval.

	Total	C_Opaque	Z_T_Opaque	C_Thin	Z_T_Thin	E_Thin
Obs short-term	− 1.85 (± 0.93)	− 3.33 (± 0.88)	+ 1.46 (± 0.70)	+ 0.83 (± 0.21)	− 0.60 (± 0.37)	− 0.20 (± 0.09)
Simu short-term	+ 1.40 (± 0.62)	− 1.10 (± 0.49)	+ 1.89 (± 0.64)	+ 0.16 (± 0.13)	+ 0.46 (± 0.18)	− 0.01 (± 0.04)
Simu long-term	+ 0.54 (± 0.16)	− 0.41 (± 0.14)	+ 0.89 (± 0.12)	+ 0.01 (± 0.03)	+ 0.07 (± 0.04)	− 0.02 (± 0.01)

Table 1. Cloud feedback values shown in Fig. 2 with the 95% confidence interval in parenthesis.

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