



*Supplement of*

## **Climate projections over the Great Lakes Region: using two-way coupling of a regional climate model with a 3-D lake model**

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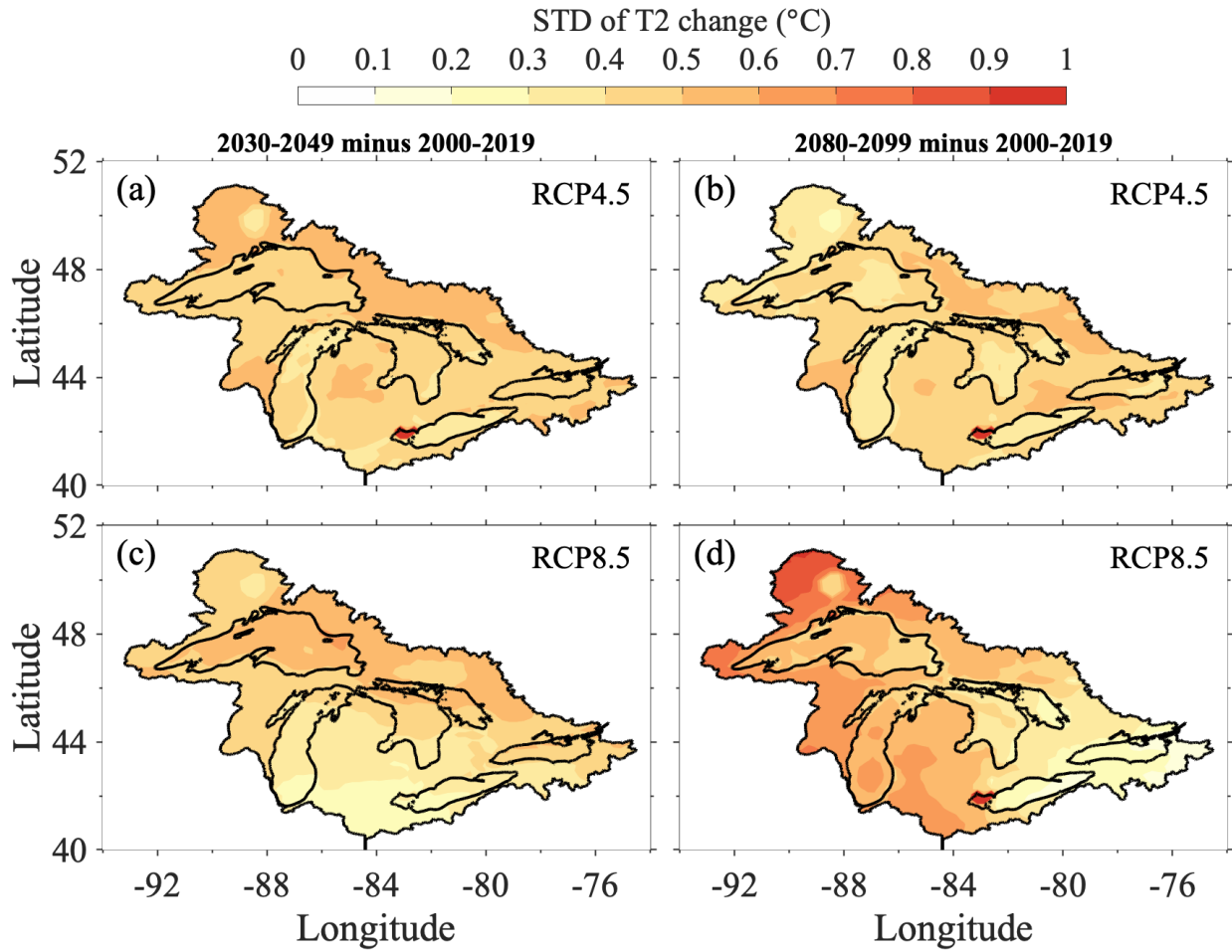


Fig. S1: Standard deviation of the projected ensemble changes in the annual mean surface air temperature over the Great Lakes basin during the mid-century (2030-2049) and late century (2080-2099) for the RCP 4.5 and RCP 8.5 scenarios, relative to the present-day climate (2000-2019).

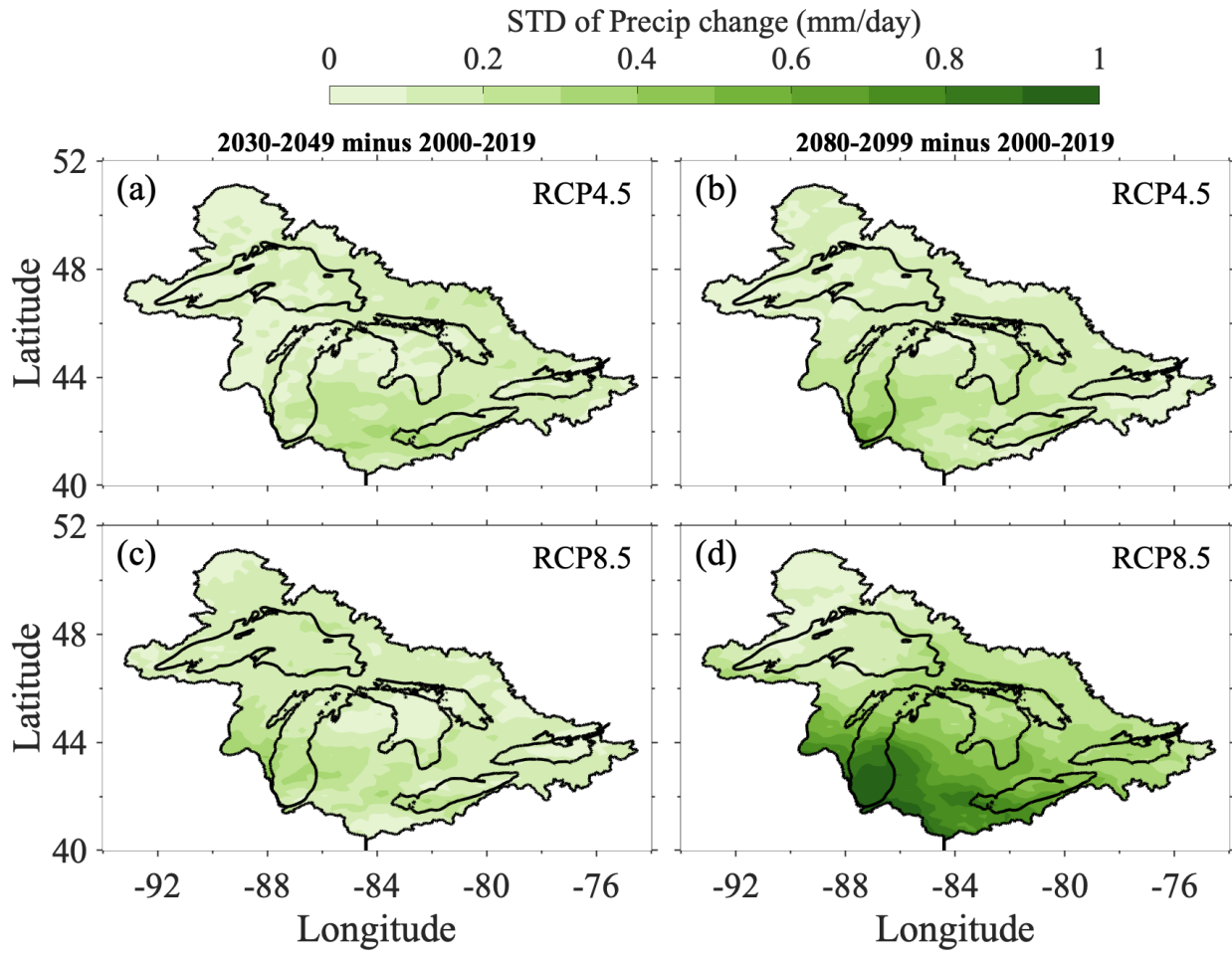


Fig. S2: Standard deviation of the projected ensemble changes in the annual mean precipitation over the Great Lakes basin during the mid-century (2030-2049) and late century (2080-2099) for the RCP 4.5 and RCP 8.5 scenarios, relative to the present-day climate (2000-2019).