

1 *Supplement of*

2 **Assessing the Impact of Solar Climate Intervention on Future U.S.**  
3 **Weather Using a Convection-Permitting WRF Model**

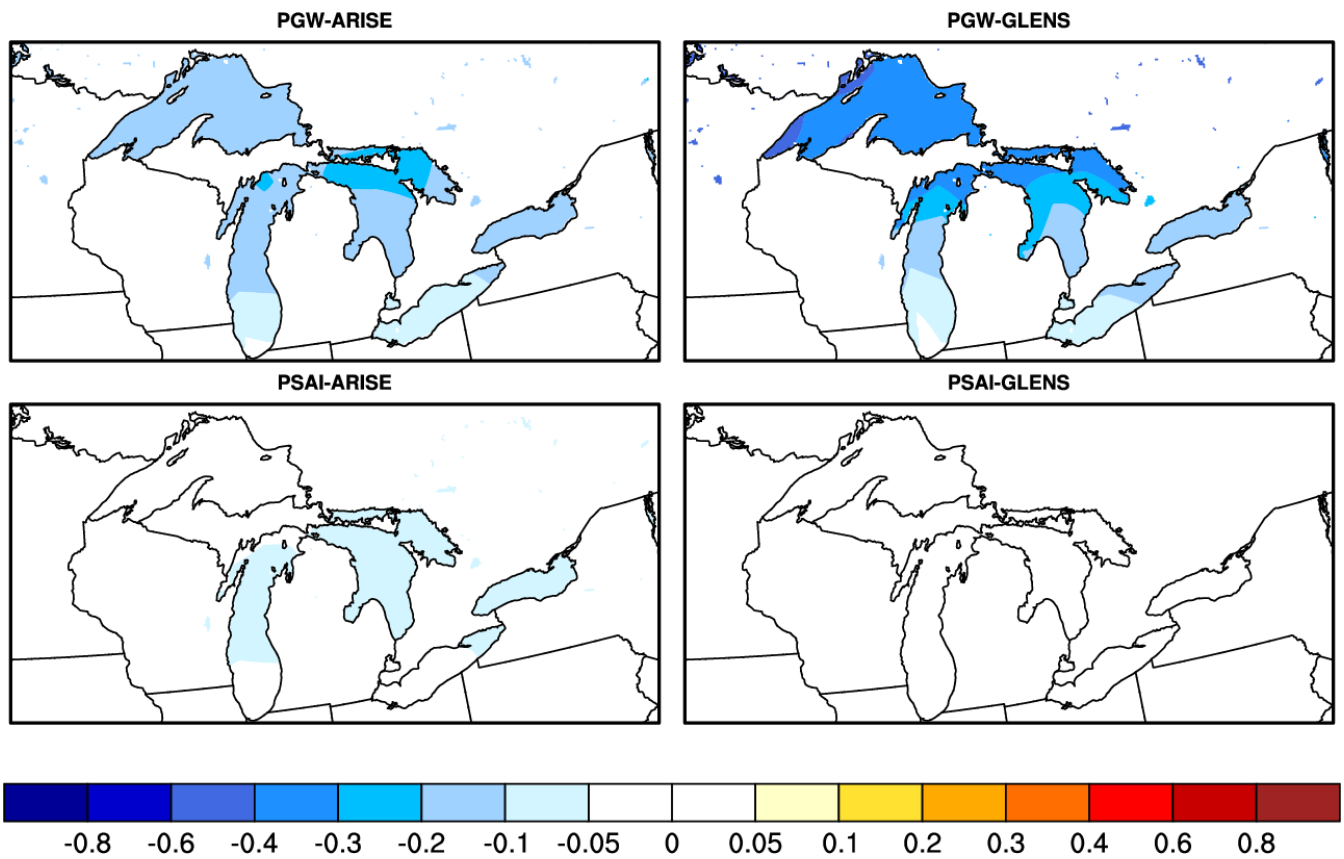
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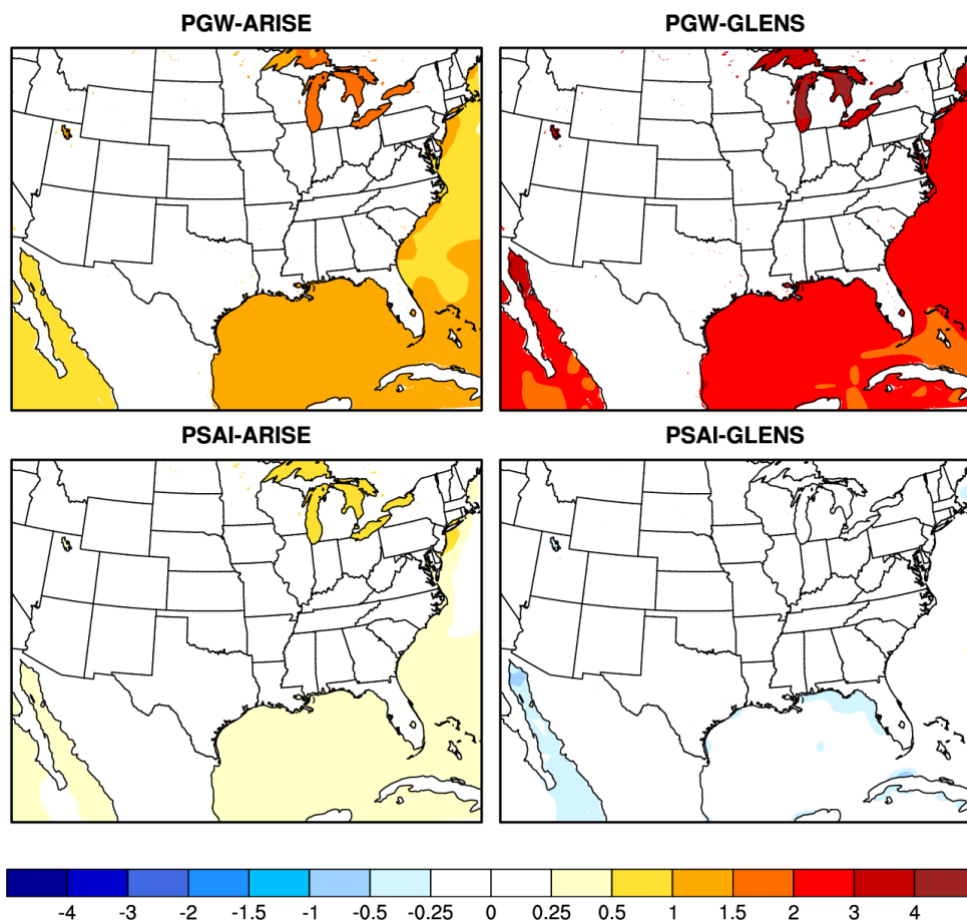
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9                    -0.8   -0.6   -0.4   -0.3   -0.2   -0.1   -0.05   0   0.05   0.1   0.2   0.3   0.4   0.6   0.8

10   **Figure S1:** Prescribed delta lake ice concentration used in the WRF PGW and PSAI simulations.



11

12 **Figure S2:** Prescribed delta sea-surface temperature and lake temperature (unit of °C) in the WRF PGW and PSAI simulations.