

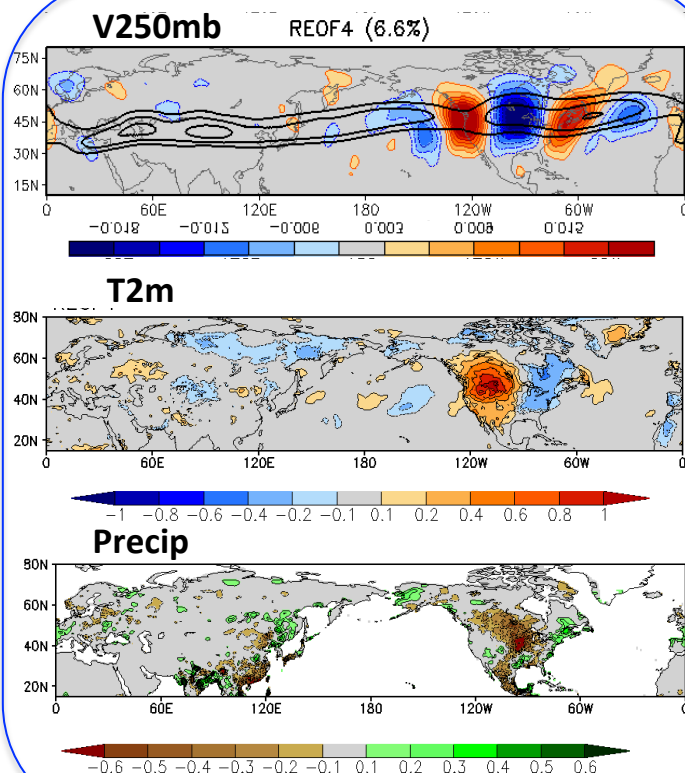
Simulation and Prediction of Warm Season Drought in North America

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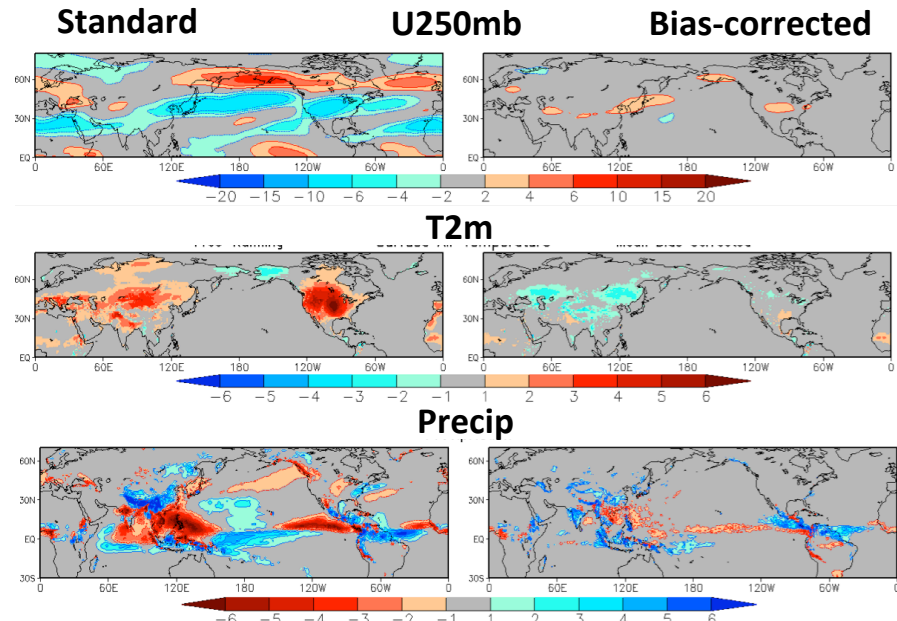
Motivation: The prediction skill of warm season drought in North America in current operational forecast system is very limited: inherently limited predictability, or model bias?

Results: 1) Identified leading modes of subseasonal atmospheric circulation variability as a source of drought predictability; **2)** Developed a tendency bias correction approach to remove much of model bias, and investigated the impact of model bias on model simulation and prediction of North American drought during warm season.

An Example



NASA GEOS-5 Model Bias Correction



Does improved simulation translate to improved S2S prediction skill? See our poster D-17.