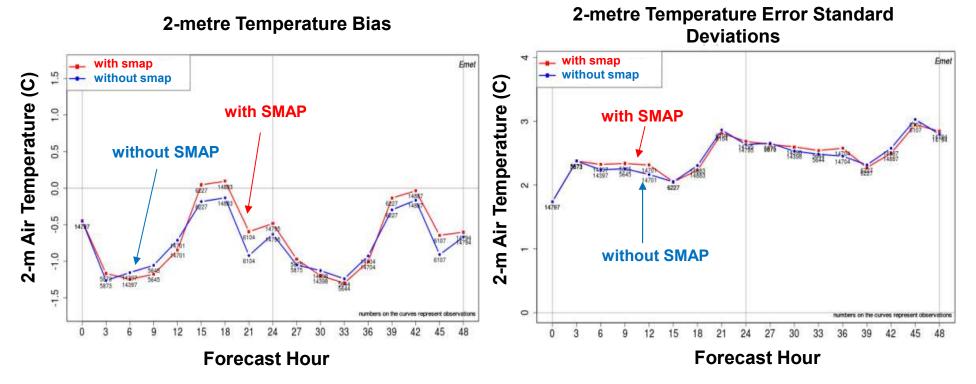


Impact of SMAP on Weather Prediction



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Experiment: 62, 48-h forecasts with and without SMAP soil moisture initial conditions. 2-metre temperature forecasts are compared against observations over North America



Assimilation of SMAP data has resulted in significant improvements in soil moisture correlations (not shown). For weather forecasts of 2-meter temperatures, clear reductions are seen in biases, with near neutral scores for error standard deviations.