

Figure S1: Time series displaying daily-mean of (a) T2m anomalies, (b) Q2m anomalies, and (c) soil moisture averaged across the Midwestern and Great Plains (100° - 85° W, 35° - 45° N) for forecast lead days 1-28. Consistent with Fig. 3, red, orange, yellow, and blue lines correspond to the values in the 3Strong, 2Strong+1Weak, 1Strong+2Weak, and 3Weak groups, respectively.

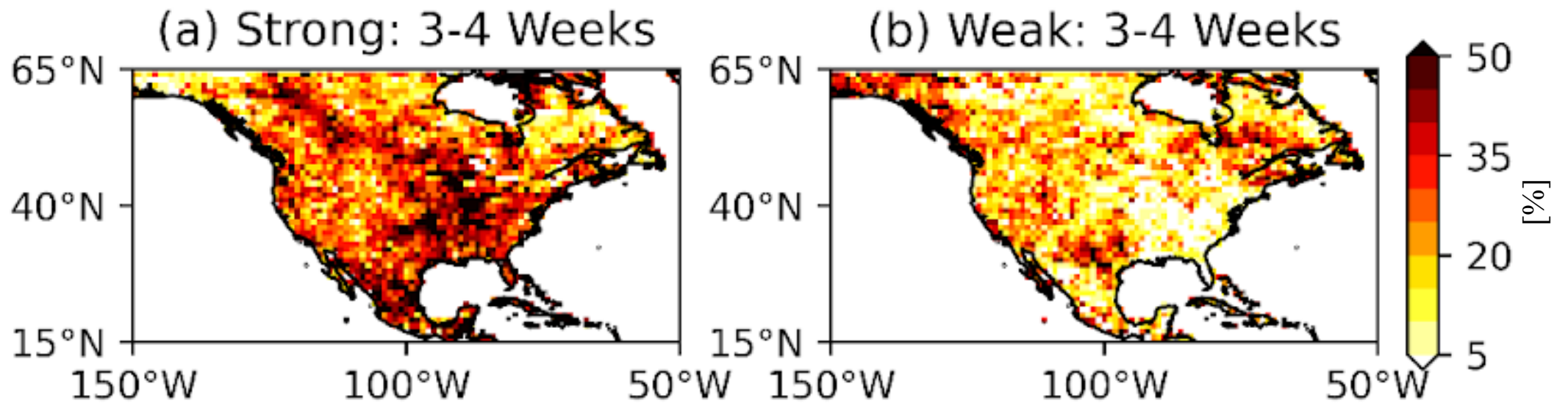


Figure S2: Probability of predicting observed abnormally warm events during (a) strong and (b) weak L-A coupling events.