Figure 1: Example forecasts of 10 m wind speeds during hurricane Laura, all for 2020-08-27T12 UTC. The first column shows the wind speeds in ERA5, with the red arrow indicating the location of the hurricane. Remaining columns show model forecasts for the specific time, initialized at different lead times ahead. For Graph-EFM we plot both 4 randomly sampled ensemble members and one cherry-picked member that was deemed to best match ERA5.

(a) RMSE of `2t`, Global

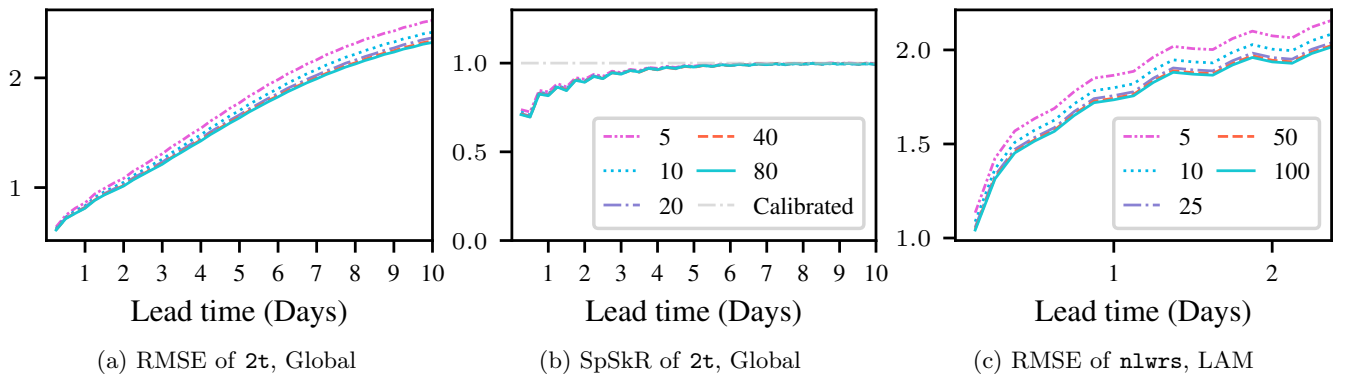(b) SpSkR of `2t`, Global

(c) RMSE of `nlwrs`, LAM

Figure 2: Selection of metric plots showing results when sampling different number of ensemble members from Graph-EFM. Other variables show analogous trends.