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Title: Subseasonal Prediction Experiments with the Global Ensemble Forecast System

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Abstract:

An experimental version of the NCEP GEFS has been setup to produce extended (out to 32 days) forecasts with the purpose of advancing probabilistic forecast guidances beyond two weeks. Skill decay of main atmospheric fields is examined in terms of resolution and ensemble membership. While the skill of some variables near the surface tend to decay much faster, upper levels tend to have skills beyond three weeks on some seasons. Systematic errors are a major hurdle to obtain useful predictions at medium and extended ranges and for that a suitable retrospective forecasts archive is being prepared.

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