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Title: Predictability of the Arctic Oscillation

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Abstract:

The predictability of the Arctic Oscillation in winter is explored using the ECMWF operational seasonal forecast system. Model re-forecasts have only a weak signal in the AO beyond the first month, suggesting that predictive skill should be low, yet the forecast winter signal correlates well with observations, implying real-world predictability is relatively high. Further experiments suggest a major role for the atmosphere initial conditions in predicting the AO, even on seasonal timescales.

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