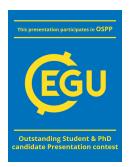
Decadal variability of the extratropical response to the Madden-Julian Oscillation

Daniel Skinner, Adrian Matthews, David Stevens University of East Anglia, UK



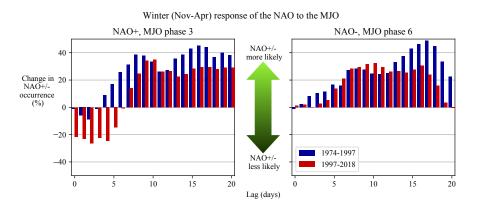
Motivation

- Madden-Julian Osciallation is a predictor of weather in extratropics
- Research has focussed on narrow time period

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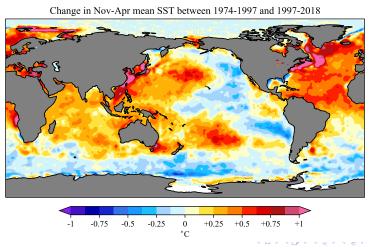
Statistical result

Observed NAO response to MJO varies between different time domains.



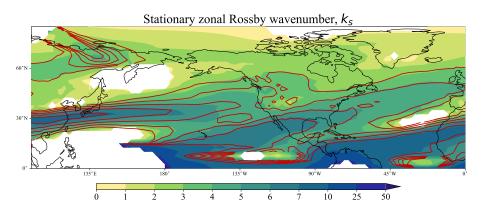
Dynamical hypotheses

Atlantic Multidecadal Variability and Pacific Decadal Oscillation may alter teleconnection pathways.



Dynamical hypotheses

Stationary wavenumber field (Rossby waveguides) has shifted in North Pacific.



Conclusions

Statistical evidence for decadal variability in NAO response to the MJO. We have a number of hypotheses for dynamical causes.

