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Title: The Madden-Julian Oscillation influence on forecast skill o precipitation over the United States

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Abstract:

The Madden-Julian Oscillation (MJO) has a significant role in weather and climate variability. The MJO significantly influences the occurrence of heavy precipitation around the globe. Since the MJO involves intense tropical convective heating anomalies, tropical-extratropical interactions are significant during its life cycle. Consequently, the MJO modulates the skill of weather forecasts in the medium and extended ranges. This study uses the CFS Reforecasts version 2 to analyze the impact of the MJO on forecasts of extreme precipitation over the contiguous United States during boreal winters.

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