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Country: USA
Title: WGNE MJO Task Force: Understanding MJO Dynamics and Aiding Subseasonal Prediction
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Abstract:

 The WGNE MJO Task Force (MJOTF) was renewed in early 2013 for a three-year term. Led by co-chairs Eric Maloney and Matthew Wheeler, the goal of the task force is to facilitate improvements in the representation of the MJO in weather and climate models in order to increase the predictive skill of the MJO and related weather and climate phenomena. This presentation will discuss progress of the task force in 1) developing process-oriented model diagnostics for model MJO simulation/prediction, 2) analyzing the vertical and diabatic heating structure of the MJO, 3) promoting the ongoing evaluation of real-time forecasts of tropical intraseasonal variability, 4) contributing to the assessment of CMIP5 model capability to simulate realistic intraseasonal variability, and 5) developing, coordinating, and promoting analyses of MJO air-sea interaction.

As also stated in the terms of reference of the MJOTF, the MJOTF is interested in maintaining strong scientific links and collaboration with WCRP activities including CLIVAR and GASS, WWRP/THORPEX, and WCRP-WWRP cross-cutting activities including the Subseasonal to Seasonal Prediction Project (S2S). The MJOTF seeks to address WCRP Grand Challenges by improving intraseasonal and seasonal predictability and prediction that improves the skill of future regional climate information, and by aiding the development of improved climate models that enable confident regional and global projections of mean precipitation and its variability, including confronting models in new ways through process-oriented diagnosis.

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