

Model Diagnostic Task Force Efforts to Advance Process-Oriented Model Evaluation

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Starting in 2015, the NOAA Climate Program Office Modeling, Analysis, Predictions, and Projections program funded and organized an activity to improve models through the development of process-oriented metrics and a framework integrating these metrics into the NCAR and NOAA GFDL diagnostic packages. The activity is led by the Model Diagnostics Task Force, which is composed of over 30 researchers from academia and U.S. government laboratories. Members of the Task Force are developing individual process-oriented metrics for model evaluation, focusing on understanding and addressing model biases in simulating the MJO, ENSO teleconnections, tropical cyclones, extratropical storms, and a variety of other important areas. The Task Force is also leading the development of a framework to integrate the community-developed metrics into the NCAR and GFDL diagnostic packages. This talk will introduce and summarize the Task Force's activities, and will compliment additional workshop talks from members of the task force.