

P54 Community code for verification - The Model Evaluation Tools (MET)

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Model Evaluation Tools (MET) is a freely-available software package for forecast verification. It is distributed through the Developmental Testbed Center (DTC) for testing and evaluation of the Weather Research and Forecasting (WRF) model. Development has been led by the community: including WRF users, the DTC, and verification experts through workshops and user meetings. MET allows users to verify forecasts via traditional, neighborhood, and object-based methods. To account for the uncertainty associated with these measures, methods for estimating confidence intervals for the verification statistics are an integral part of MET. Each year, new features of the software are presented at the WRF Users' workshop. The latest release includes many enhancements for users. MET now accepts data in NetCDF-CF compliant format. Autoconf makes compilation easier for users. The tropical cyclone verification capabilities have been enhanced. Output file sizes have been reduced drastically to assist operational users. Examples of the existing and new verification capabilities will be shown.