



Testing Competing High-Resolution Precipitation Forecasts

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The spatial prediction comparison test (SPCT) is a statistical test to determine which of two competing forecasts

is better in terms of an average loss differential. The test makes no distributional assumptions about the underlying fields, accounts for spatial correlation, can be applied to a both gridded and non-gridded spatial fields, and is very computationally efficient. Here the test is applied to precipitation fields whose character introduces new challenges, and two new loss functions are utilized within the SPCT framework in order to glean more information about which of two forecast models is better (or not) according to this criterion