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Kalb
UCAR
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Oral
Verification and diagnostic activities are important contributors to the processes of using
and improving models. The METplus system was designed to allow multiple verification
options in a consistent framework while having a quick setup. It originated with the Model
Evaluation Tools (MET), developed over 15 years ago to provide reproducible and consistent
statistical evaluation, and has since evolved into an umbrella verification and diagnostic
system that contains several components. These components include METcalcpy, which
contains python versions of statistics and process-oriented verification, METplotpy which
produces many different types of graphics to display results and data, and METdataio for
reading data into the various components. In addition, METplus also allows the user to
create python scripts combining the different METplus components for truly flexible
verification options. Over the past few years, multiple process-oriented diagnostic and
verification metrics have been added to the METplus system to examine the predictability
of phenomena on subseasonal to seasonal time scales.
This presentation will provide an update and description of the metrics and capabilities
available within METplus for subseasonal to seasonal verification. These new capabilities
cover phenomena over different regions including the tropics, mid latitude, and
stratosphere. Some specific examples will be shown to illustrate the available statistics

and graphical output.
Presentation file
Kalb-Christina.pdf
Meeting homepage
S2S Community Workshop
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