Christina
Kalb
UCAR
Tara Jensen, Minna Win-Gildenmeister, George McCabe, Hank Fisher, Zachary Lawrence, Amy Butler, Maria Gehne, Douglas E. Miller, Zhou Wang, Weiwei Li
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
Download to PDF