

Utilizing Subtropical Ridge "Flow Regime" Convective Precipitation Climatologies within AWIPS to Enhance Warm Season Probability of Precipitation Forecasts and Related Decision Support Services Across the Southeastern United States.

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The first part of this talk will cover the creation of high resolution spatial and temporal warm season precipitation climatologies based on eight defined subtropical ridge "flow regimes" patterns over the southeastern United States. The second part of the talk will cover the utility of these datasets, including, the implementation into AWIPS for the enhancement of PoP forecast, lightning threats, and other decision support services. The third part will discuss how these datasets are being utilized by private sector utility companies, water management districts, and media partners with the state of Florida. Finally, the talk will end with a brief discussion of future R2O enhancements to the project that are anticipated.