

MONITORING THE WET SEASON OVER THE FIVE WATER MANAGEMENT DISTRICTS OF FLORIDA

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In this study, we introduce the concept of the onset and demise of the rainy season over the five Water Management Districts (WMDs) of Florida, verify a remotely sensed rainfall dataset for monitoring the wet season, and demonstrate the efficacy of real-time monitoring of the evolution of the wet season of 2021. Our results indicate that the objective definition of the onset and demise of the rainy season display significant year to year variations affecting the seasonal anomalies of rainfall and length of the season. The remotely sensed dataset shows promise in comparison to rain gauge based rainfall analysis. The real time monitoring of the wet season 2021 provided reliable outlook for the season, which could be complimentary to existing seasonal forecast products.

PRESENTER BIO: Dr. Misra is a Professor of Meteorology with over 25 years of research experience in climate science. In the past decade he has extensively worked on Florida's climate from covering temporal variations from seasons to long-term climate change. He has over 120 journal publications and published 4 books.