

**SPoRT TRANSITION ACTIVITY HIGHLIGHTED IN ACCEPTED**

**PUBLICATION** (email to: [andrew.molthan@nasa.gov](mailto:andrew.molthan@nasa.gov)/256-961-7474): Members of the NASA Short-term Prediction Research and Transition (SPoRT) Center recently had a peer-reviewed article accepted for publication in the National Weather Association's Journal of Operational Meteorology, titled "The Operational Use and Assessment of a Layered Precipitable Water Product for Weather Forecasting". Led by University of Alabama in Huntsville author Anita LeRoy, the article included coauthorship by Kevin Fuell (UAH), Andrew Molthan (MSFC/ZP11), and Gary Jedlovec (MSFC/ZP11). The article highlights SPoRT's research to operations activities, focused on a collaborative partnership with the Cooperative Institute for Research in the Atmosphere (CIIRA) at Colorado State University, where SPoRT assisted in the training, assessment, and operational use of a new remote sensing product that helps to identify layers of moisture within the atmosphere. Feedback from end users confirmed that analysis and prediction of these layers is crucial to accurate forecasts of precipitation events, particularly when these layers impact complex terrain in the western U.S. and Alaska. The product was also found useful in other data-sparse regions, highlighting the three-dimensional structure of moisture associated with midlatitude cyclones and clusters of tropical thunderstorms. The accepted publication is undergoing minor technical edits and will be released in early 2016.