

**APPLIED SCIENTIST FOR ECOSYSTEM SPACEBORNE THERMAL RADIOMETER EXPERIMENT ON SPACE STATION (ECOSTRESS) (email to: [jluvall@nasa.gov](mailto:jluvall@nasa.gov)/256-961-7886)**

Dr. Jeff Luvall (ZP11) HypsIRI (Hyperspectral Infrared Imager) Mission Deputy Program Application Lead duties have been expanded to include assisting Drs. Christine Lee and Simon Hook, JPL with ECOSTRESS application development. ECOSTRESS is a multispectral thermal instrument (~70 m pixel resolution) that will be launched and installed on the International Space Station in 2018. This Earth Venture mission will provide an unprecedented view and perspective for studying the diurnal cycle of vegetation water stress from space and how the terrestrial biosphere responds to water availability. Its third objective has an applied lens, in which ECOSTRESS evapotranspiration data (and evapotranspiration-based products such as Evaporative Stress Index and Water Use Efficiency) can be used to monitor agricultural vulnerability or support drought monitoring.

**RESEARCH TO OPERATIONS BRIEFING GIVEN TO OFFICE OF MANAGEMENT AND BUDGET (OMB) PROGRAM EXAMINER (email to: [gary.jedlovec@nasa.gov](mailto:gary.jedlovec@nasa.gov)/256-961-7966)**

Dr. Gary Jedlovec (ZP11) provided a briefing on transitioning NASA data and research capabilities to the operational weather and applications community to Grace Hu, Program Examiner, Science and Space Programs Branch, Office of Management and Budget [OMB], Executive Office of the President. Ms. Hu periodically reviews components of NASA's Science Mission Directorate and makes recommendations back to OMB on the President's budget request. The recently released Space Weather Strategy and Action Plan has given the space weather program additional visibility within the Executive Office of the President (OMB, Office of Science and Technology Policy (OSTP), and National Security staff). The objective of the briefing was to inform Ms. Hu about the Earth science research to operations process and how it can be adapted to benefit the space weather program. In the briefing, Dr. Jedlovec highlight many lessons-learned from NASA's Short-term Prediction Research and Transition (SPoRT) and SERVIR programs and discussed the application of the SPoRT paradigm to the Earth science community. Drs. Jim Spann and Jonathan Cirtain also participated in the call providing relevant space science insight and applications. Jens Feeley, Jeremy Stembler, Elsayed Talaat, Steve Clarke, Peg Luce, and Tsengdar Lee of NASA Headquarters also participated in the call. Ms. Hu asked many questions about the structure of the SPoRT program and its successful research to operations paradigm, showing a keen interest in understanding how the approach can be applied to the space weather community.