



SMAP radiometer-based soil moisture products status and validation

Thomas Jackson (1), Rajat Bindlish (1), Steven Chan (2), Peggy O'Neill (3), Andreas Colliander (2), Fan Chen (1), Wade Crow (1), and Michael Cosh (1)

(1) USDA, Beltsville, MD USA (tom.jackson@ars.usda.gov), (2) JPL, Pasadena, CA USA, (3) NASA Goddard Space Flight Center, Greenbelt, MD USA

The NASA Soil Moisture Active Passive (SMAP) mission has been providing L-band brightness temperature measurements of the globe since 2015. These are used with retrieval algorithms to generate global products every 2-3 days. SMAP has recently implemented several new products to enhance both the spatial and temporal coverage. These enhancements have presented new challenges to validation. The results of ongoing evaluations will be presented. Plans for the further refinement of the algorithms to address deficiencies will be described.