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Validation of AMSR-E Soil Moisture Products Using In

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## **Abstract**

Soil moisture is an important water cycle variable. The Advanced N Radiometer for the Earth Observing System (AMSR-E) program w a soil moisture algorithm development and validation program that v standard products. A key aspect of the program was the inclusion o algorithms with continuing evaluation. One approach is the single ch that utilizes the AMSR-E channel with maximum sensitivity in combi data on vegetation conditions. Over the course of the AMSR-E probeen developed and improved. A critical component of providing a product is its validation. As part of the AMSR-E validation program

validation sites were developed. These networks provide estimates moisture over watersheds and surrounding areas that approximate to footprint. Measurements have been made on a continuous basis sin and JAXA standard soil moisture products were compared to the notation along with SCA. The results indicate that each algorithm has differe that depend upon the site and that there is much room for improvem adopted by JAXA and NASA. They also illustrate the potential pitfa without caution.

Keywords: soil moisture, passive microwave, remote sensing

[PDF (671K)] [References]

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