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Global Scale Analysis of Soil Moisture and Vegetation B AMSR-E Data

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Abstract

An analysis on the capabilities of microwave radiometers in estimatic cover and vegetation biomass was carried out on a global scale by a (Advanced Microwave Scanning Radiometer for EOS) data. The tabrightness temperature together with some microwave indexes, nampolarizations and frequencies, were taken into account over some to estimate of soil moisture, the use of these indexes makes it possible dense vegetation and snow areas, as well as correcting for the effect Afterwards, the inversion to retrieve soil moisture is performed by making the strength of the effect of the second of the effect of

Neural Network (ANN). Lastly, a technique based on a multi-sense technique for enhancing the C-band spatial resolution is described h

Keywords: Global analysis, AMSR-E, soil moisture maps, snow n

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