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Journal of The Remote Sensing Society of Japan

Vol. 29 (2009) , No. 1 p.167-173

[\[PDF \(792K\)\]](#) [\[1\]](#)

Algorithm Development in Retrieving Sea Surface Temperature and Surface Wind Speed

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(Received June 30, 2008)

(Accepted December 17, 2008)

Abstract

For two spaceborne passive microwave radiometers : Advanced Microwave Scanning Radiometer (AMSR) aboard the JAXA/ADEOS-II and AMSR-E aboard NASA/AQUA, algorithms of retrieving sea surface temperature (SST) and surface wind speed (SSW) have been developed. Retrieved SST from AMSR was compared with buoy SST, and root mean square (rms) of SST difference was calculated using one year data in 2003, and it was 0.633°C for AMSR using s

2003. Retrieved SSW was also compared with buoy SSW, and rm
1.013 and 0.942m/s, respectively in the same period.

Keywords: [AMSR](#), [STT](#), [SSW](#), [Aigorithm](#), [AQUA](#)

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To cite this article:

Akira SHIBATA: Algorithm Development in Retrieving Sea Surfa
Surface Wind Speed , Journal of The Remote Sensing Society of J
2009 .
