

## Sea ice science using Aqua AMSR-E data: Retrieval of sea ice parameters and scientific accomplishments

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The AMSR-E standard sea ice products include sea ice concentration, snow depth on sea ice, sea ice drift as well as brightness temperatures at different resolutions gridded to a polar stereographic grid. Since the launch of Aqua in 2002 the products have been quantitatively assessed and improved. Furthermore a wide variety of sea ice research has been conducted using AMSR-E data. The presentation will summarize the current status of accuracies, precisions, and limitations of the AMSR-E geophysical products and it will attempt to provide an overview of accomplishments in sea ice science that used AMSR-E sea ice products or gridded brightness temperatures.