

## Sea ice algorithm improvement for AMSR2

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In recent years, the decline trend of the Arctic sea ice extent is becoming obvious. In May 2012, passive microwave sensor AMSR2 on-board satellite GCOM-W1 was launched by JAXA. On 16, September, 2012, AMSR2 recorded the minimum Arctic sea ice extent in the history of satellite observation. The passive microwave sensor on-board satellite can penetrate clouds and can monitor the global sea ice extent on daily basis. The authors have been working on sea ice monitoring from space, and now involved in improving sea ice algorithms for ASR2. The initial result of the study is presented at the conference.

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