

SMOS & CryoSat-2 Sea Ice Data Product Processing and Dissemination Service (CS2SMOS-PDS)



- Operational processing for winter season 2021/2022 has started
- SMOS level 3 product version v3.3 replaces v3.2, see [documentation](#)
- CS2SMOS product version v203 replaces v202, see [documentation](#)
- 11 Feb 2020 ⚠️ CryoSat-2 NRT data is currently degraded (see [blog post](#)).

Abstract

The SMOS & CryoSat-2 Sea Ice Data Product Processing and Dissemination Service (**CS2SMOS-PDS**) ensures the automated and continuous operational generation of the **SMOS** and the merged **CryoSat-2/SMOS** Sea Ice Thickness products.

Documentation

- [CryoSat-SMOS Merged Sea Ice Thickness](#)
- [SMOS Sea Ice Thickness](#)

Data access

Daily SMOS and weekly merged CryoSat-2 /SMOS sea ice thickness data can be downloaded via FTP through a Web browser, a FTP client (e.g. FileZilla) or command line. **The access is anonymous.**

[Get data via AWI FTP](#)

Alternatively, data can be downloaded from the ESA SMOS Dissemination server by ftps and https:

[Get data via ESA FTPS and https](#)



Info

Due to melting season, the SMOS and CryoSat-2 data processing and dissemination is **stopped** between **May** and **September**.

How to cite the data

For the **merged CryoSat-2/SMOS sea ice thickness** data, please

1. cite:

Ricker, R., Hendricks, S., Kaleschke, L., Tian-Kunze, X., King, J., and Haas, C.: A weekly Arctic sea-ice thickness data record from merged CryoSat-2 and SMOS satellite data, *The Cryosphere*, 11, 1607-1623, <https://doi.org/10.5194/tc-11-1607-2017>, 2017.

2. include the following phrase into the acknowledgment:

"The production of the merged CryoSat-SMOS sea ice thickness data was funded by the ESA project SMOS & CryoSat-2 Sea Ice Data Product Processing and Dissemination Service, and data from DATE to DATE were obtained from AWI."

For the **SMOS Sea Ice Thickness** data, please

1. cite:

Tian-Kunze, X., Kaleschke, L., Maaß, N., Mäkynen, M., Serra, N., Drusch, M., and Krumpen, T. (2014) SMOS-derived thin sea ice thickness: algorithm baseline, product specifications and initial verification, *The Cryosphere*, 8, 997-1018, doi:10.5194/tc-8-997-2014

2. include the following phrase into the acknowledgment:

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Most recent quicklooks

[Recent CS2SMOS Quicklook](#)

[Recent SMOS Quicklook](#)

Blog

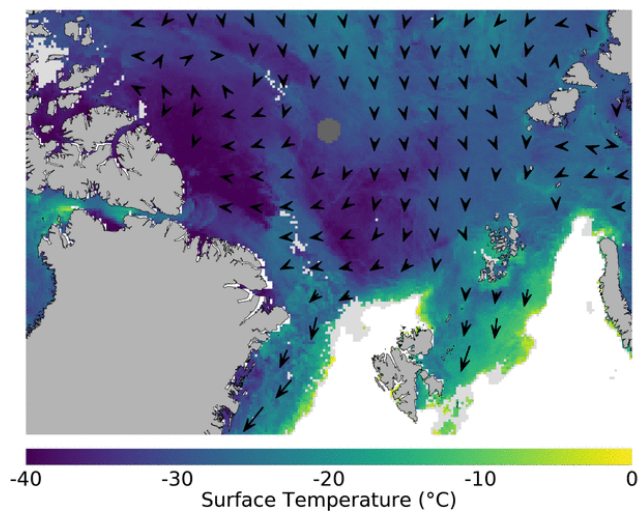
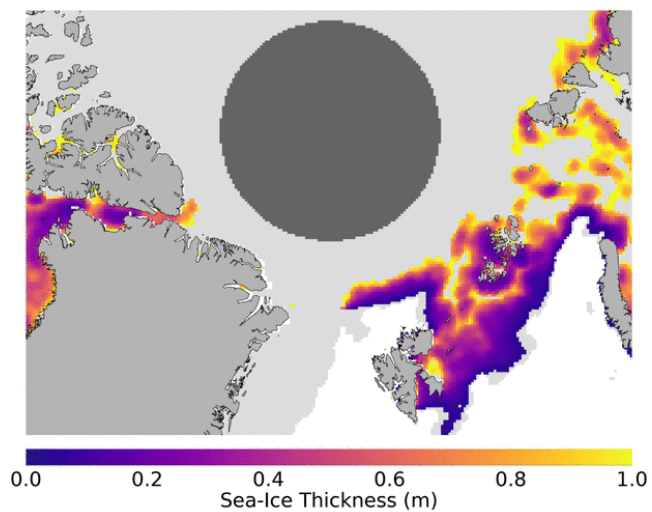
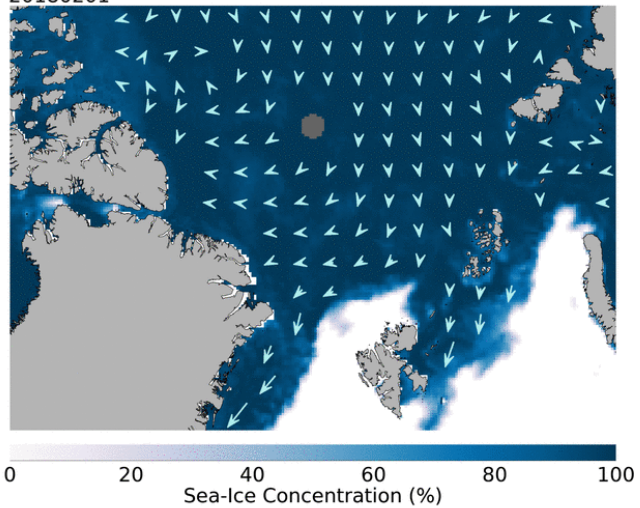


[Multi-sensor remote sensing over the North-East Greenland Polynya during Winter/Spring 2018](#)

Robert Ricker posted on Jan 11, 2019

- SMOS sea-ice thickness
- OSI SAF ice concentration
- OSI SAF sea and ice surface temperature
- OSI SAF sea ice drift

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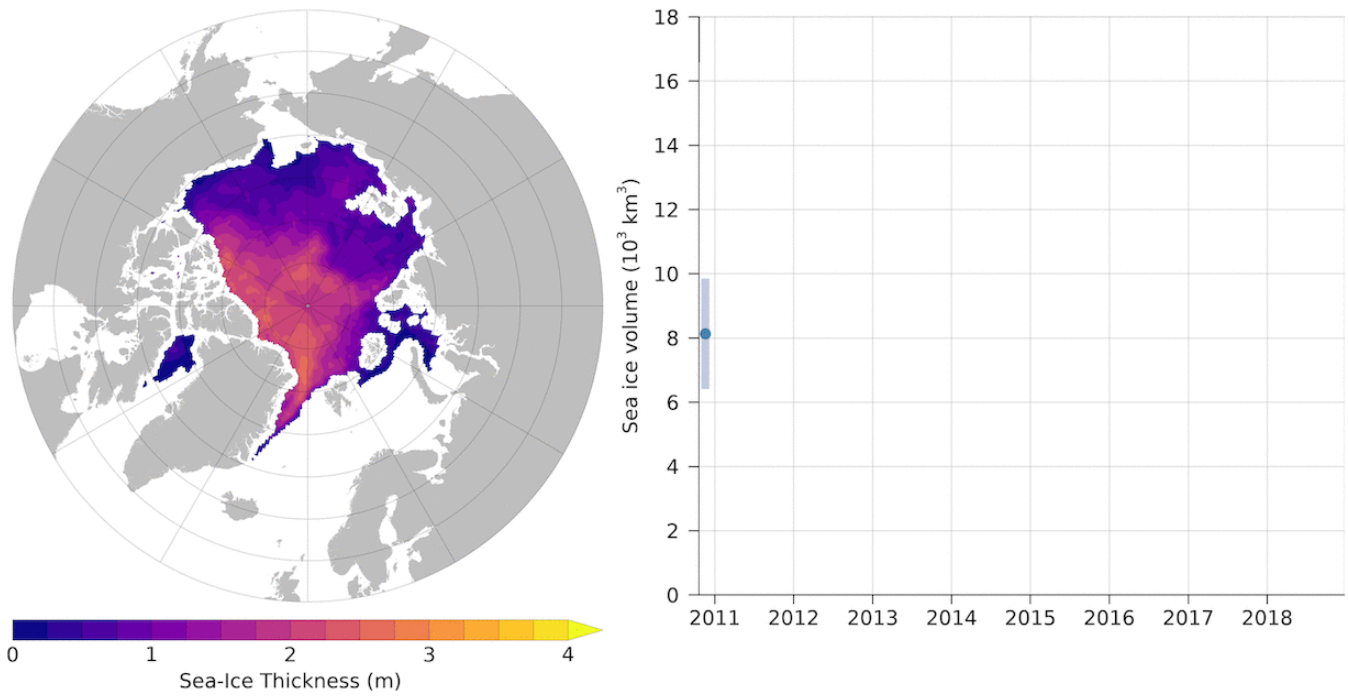




CryoSat-SMOS sea ice thickness and volume time series from 2010-2018

Robert Ricker posted on Jan 11, 2019

- Merged weekly CryoSat-SMOS sea ice thickness and volume + uncertainties



Launch of ESA CS2SMOS-PDS Project Website

Robert Ricker posted on Aug 17, 2018

This is a documentation webpage for the ESA CS2SMOS-PDS Project.

