

SMOS Sea Ice

Arctic Sea Ice Concentration

Daily Arctic sea ice concentration (SIC) products were generated using a new methodological approach based on the Maximum-likelihood estimation.

Products

3 days average. Daily frequency

Daily Arctic sea ice concentration (SIC) products at NL EASE grid (25km x 25km) were obtained from SMOS Level 1B products provided by ESA (v6.20) using a new methodological approach based on the Maximum-likelihood estimation.

Related documents

- **Paper:** 'New methodology to estimate Arctic sea ice concentration from SMOS combining brightness temperature differences in a maximum-likelihood estimator', Gabarro, C., Turiel, A., Elosegui, P., Pla-Resina, J. A., Portabella, M., The Cryosphere, 11: 4, 1987-2002, 2017, [DOI: 10.5194/tc-11-1987-2017](https://doi.org/10.5194/tc-11-1987-2017).
- **Data description and Quality report:** [BEC-SMOS-0001-PD-Ice.pdf](#)