

SMOS-derived L3 sea ice thickness product

	Operational L3 sea ice thickness data
Brightness temperature (T_b)	L1C (v505) brightness temperature intensity averaged over 0-40° incidence angle
Sea ice thickness retrieval	Algorithm II* from University of Hamburg (Tian-Kunze et al., 2014)
Format	Netcdf
Projection and Grid	Spatial resolution: 12.5 km x 12.5 km; Polar-stereographic grid of the NSIDC polar-stereographic projection at standard latitude of 70°N
Coverage	Northern hemisphere poleward of 50°N
Geographic range	Geographic longitude: 0°E to 360°E; Geographic latitude: 50°N to 90°N
Period	Winter seasons (=October 15 to April 15) since 2010
Temporal resolution	Daily mean, daily updated
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Tian-Kunze, X., Kaleschke, L., Maaß, N., Mäkynen, M., Serra, N., Drusch, M., and Krumpen, T.: SMOS-derived sea ice thickness: algorithm baseline, product specifications and initial verification, *The Cryosphere*, 8, 997-1018, doi:10.5194/tc-8-997-2014, 2014