

Metadata

Field	Value
Dataset Name	SERF2012: Thin Sea Ice C-band Polarimetric and Physical Time Series
Dataset General Type	Radar data
Dataset Type	Dataset
Dataset Level	1.1
Program Website	
Keyword Vocabulary	Polar Data Catalogue
Keyword Vocabulary URL	https://www.polardata.ca/pdcinput/public/keywordlibrary
Theme	
Title	Cryosphere
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/group/cryosphere
Dataset Status	Complete
Maintenance and Update Frequency	As needed
Dataset Last Revision Date	2026-04-28
Dataset DOI	

Field	Value
Metadata Creation Date	2026
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	
Name	Dadjoo, Mehran
Type of Name	Personal
Email	dadjoom@myumanitoba.ca
Affiliation	Centre for Earth Observation Science - University of Manitoba
ORCID ID	
Dataset Authors 2	
Name	Isleifson, Dustin
Type of Name	Personal
Email	Dustin.Isleifson@umanitoba.ca
Affiliation	Centre for Earth Observation Science - University of Manitoba

Field	Value
ORCID ID	
Contributors	
Contributors 1	
Name	
Role	
Email	
Affiliation	Centre for Earth Observation Science - University of Manitoba
ORCID ID	
Project Data Curator	Isleifson, Dustin
Project Data Curator email	Dustin.Isleifson@umanitoba.ca
Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
Dataset Collection Start Date	2012-02-10
Dataset Collection End Date	2012-02-12
Sample Collection	
Sample Collection 1	

Field	Value
Sampling Instrument Name	
Standardized Sampling Instrument Name	
Sample Collection Method Name	
Comment	
Method Link	
Method Summary	
Method Description Type	Methods
Activity Collection Type	Field Measurement
Preferred citation	
Analytical Instrument	
Analytical Instrument 1	
Analytical Instrument Name	ProSensing
Standardized Analytical Instrument Name	
Analytical Instrument Identifier Id	
Analytical Instrument Title Type	Alternative Title
Analytical Instrument Identifier Type	
Analytical Method	
Analytical Method 1	
Analytical Method Name	

Field	Value
Method Link	
Method Summary	
Laboratory	
Comments	
Variables Measured	C-band backscattering NRCS values in VV, HH, HV polarizations
Licence Name or Copyright Statement	Creative Commons Attribution 4.0 International
Copyright Statement	
Licence Type	Open
Embargo Date	
Licence URL	https://spdx.org/licenses
Terms of Access	<p>CanWIN datasets are licensed individually, however most are licensed under the Creative Commons Attribution 4.0 International (CC BY 4.0) Public License. Details for the licence applied can be found using the Licence URL link provided with each dataset. By using data and information provided on this site you accept the terms and conditions of the License. Unless otherwise specified, the license grants the rights to the public to use and share the data and results derived therefrom as long as the proper acknowledgment is given to the data licensor (citation), that any alteration to the data is clearly indicated, and that a link to the original data and the license is made available.</p>
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Field	Value
Awards	
Related Resources	
Related Resources 1	
Related Resource Name	A Study on the C-Band Polarimetric Scattering and Physical Characteristics of Frost Flowers on Experimental Sea Ice
Resource Code	10.1109/TGRS.2013.2255060
Identifier Type	DOI
Relationship To This Dataset	
Resource Type	DOI, Relationship to Dataset: Is Published In, Type: Journal Article
Type	
Series Name	
Publications	
Spatial regions	
Spatial extent West Bound Longitude	
Spatial extent East Bound Longitude	
Spatial extent South Bound Latitude	
Spatial extent North Bound Latitude	

Data and Resources

Field	Value
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/038e72a9-363f-4b2b-b71c-1482bed7a877/resource/4df106b7-de53-4e11-b04f-723c7077227b/download/data_2012_serf_cband_25deg_tair_cfdm_thickness.xlsx
Name	Serf 2012 Cband Data
Description	
Format	XLSX
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/038e72a9-363f-4b2b-b71c-1482bed7a877/resource/93573c03-73ff-49f6-ad20-dd164a99a6a4/download/data-dictionary-serf2012-c-band.xlsx
Name	Detailed Data Dictionary
Description	Descriptions of all variables measured.
Format	XLSX
Resource Category	data