

Metadata

Field	Value
Dataset Name	SERF2021: Thin Sea Ice Multivariate Physical & Radar Time Series
Dataset General Type	sea ice time series
Dataset Type	Dataset
Dataset Level	1.1
Program Website	
Keyword Vocabulary	
Keyword Vocabulary URL	
Theme	
Title	Cryosphere
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/cryosphere
Title	Remote Sensing
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/remote-sensing
Dataset Status	Complete
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2025-08-10

Field	Value
Dataset DOI	10.34992/J30B-7C87
Metadata Creation Date	2025
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	
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Type of Name	Personal
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	ORCID
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Dataset Authors 2	
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Type of Name	Personal

Field	Value
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Project Data Curator	Dadjoo, Mehran
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Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
Dataset Collection Start Date	2021-02-12
Dataset Collection End Date	2021-02-20
Sample Collection	
Sample Collection 1	
Sampling Instrument Name	
Standardized Sampling Instrument Name	

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

Field	Value
Variables Measured	Ku-band NRCS values in VV polarization (dB), Ku-band NRCS values in HH polarization (dB), Ku-band NRCS values in HV polarization (dB), C-band NRCS values in VV polarization (dB), C-band NRCS values in HH polarization (dB), C-band NRCS values in HV polarization (dB), air temperature (°C), surface temperature (°C), Cumulative Freezing Degree Moments (CFDM), humidity (%), wind speed (m/s), surface cover salinity (PSU), ice surface salinity (PSU), bulk ice salinity (PSU), frost flower height (cm), snow depth (cm), ice thickness (cm)
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	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.
Terms of Use	By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).
Awards	

Field	Value
Awards 1	
Award Title	
Website	
Funder Name	
Funder Identifier Code	
Funder Identifier Type	
Funder Identifier Scheme	
Grant Number	
Related Resources	
Related Resources 1	
Related Resource Name	
Resource Code	
Identifier Type	
Relationship To This Dataset	
Resource Type	Online Resource
Type	
Series Name	
Publications	
Publications 1	
Publication Name	
Identifier Code	
Identifier Type	
Relationship to this dataset	

Field	Value
Resource Type	Online Resource
Publication Type	
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/51da0c4b-b392-48f6-82ea-cc575efe3e2f/resource/5985e2d9-4987-410e-aa90-02b55420cfa1/download/serf2021-thin-sea-ice-multivariate-physical-radar-time-series.xlsx
Name	SERF2021: Thin Sea Ice Multivariate Physical & Radar Time Series
Description	
Format	XLSX
Resource Category	data