Metadata

Dataset Name	Churchill KuKa Data 2021
Dataset General Type	Radar Data
Dataset Type	Dataset
Dataset Level	1.0
Program Website	
Keyword Vocabulary	Polar Data Catalogue
Keyword Vocabulary URL	https://www.polardata.ca/pdcinput/public/keywordlibrary
Theme	
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	2023-06-01
Dataset DOI	10.34992/11tj-wr82
Metadata Creation Date	2024
Publisher	CanWIN

Dataset Authors

Dataset Authors 1

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Dataset Collection Start Date	2021-12-02
Dataset Collection End Date	2021-12-13
Sample Collection	
Sample Collection 1	
Sampling Instrument Name	KuKa Radar by ProSensing Inc.
Standardized Sampling Instrument Name	
Sample Collection Method Name	Ku and Ka band microwave measurements
Comment	
Method Link	https://tc.copernicus.org/articles/14/4405/2020/
Method Summary	KuKa Radar was used to sample sea ice and lake ice at Churchill, Manitoba between December 2nd and 13th. The Surface-based fully polarimetric radar operating in Ku and Ka band frequency was used to obtain Ku and Ka band radar interactions over different sea ice and lake ice conditions on different sampling days. The details of the Kuka band radar is outlined in Stroeve et al., (2020) [https://tc.copernicus.org/articles/14/4405/2020/] (https://tc.copernicus.org/articles/14/4405/2020/).
Method Description Type	Methods

Activity Collection Type	Field Measurement
Preferred citation	
Analytical Instrument	
Analytical Instrument 1	
Analytical Instrument Name	Prosensing Inc.
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	
Method Link	
Method Summary	
Laboratory	
Comments	
Variables Measured	
License Name	Creative Commons Attribution 4.0 International
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

Awards 1

Award Title	Canada 150 Research Chair
Website	https://www.canada150.chairs-chaires.gc.ca/chairholders-titulaires/index-eng.aspx#stroeve
Funder Name	NSERC
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	
Resource Type	Online Resource
Publication Type	

Spatial regions	churchill
Spatial extent West Bound Longitude	
Spatial extent East Bound Longitude	
Spatial extent South Bound Latitude	
Spatial extent North Bound Latitude	

Data and Resources

URL	https://umanitoba-my.sharepoint.com/:f:/g/personal/yanique_campbell_umanitoba_ca/Etp0em5-S-JJlw5dKNCxMhcBuo1-AVp_IC0YCgOggzufFQ?e=XhlPCb
Name	Churchill KuKa radar data 2021
Description	Ku and Ka band radar waveform datasets collected on sea ice and lake ice in Churchill, December 2021. Please click **Go to Resource** to view files on OneDrive.
Format	NetCDF
Resource Category	data