

# Metadata

Field	Value
<b>Dataset Name</b>	Churchill snow depth - December 2021
<b>Dataset General Type</b>	Magnaprobe data
<b>Dataset Type</b>	Dataset
<b>Dataset Level</b>	0
<b>Program Website</b>	
<b>Keyword Vocabulary</b>	Polar Data Catalogue
<b>Keyword Vocabulary URL</b>	<a href="https://www.polardata.ca/pdcinput/public/keywordlibrary">https://www.polardata.ca/pdcinput/public/keywordlibrary</a>
<b>Theme</b>	
<b>Title</b>	Cryosphere
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/group/cryosphere">https://canwin-datahub.ad.umanitoba.ca/data/en/group/cryosphere</a>
<b>Title</b>	Snow
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/group/snow">https://canwin-datahub.ad.umanitoba.ca/data/en/group/snow</a>
<b>Dataset Status</b>	Complete
<b>Maintenance and Update Frequency</b>	Not planned

Field	Value
<b>Dataset Last Revision Date</b>	2023-08-08
<b>Dataset DOI</b>	10.34992/8rm6-q815
<b>Metadata Creation Date</b>	2026
<b>Publisher</b>	CanWIN
<b>Dataset Authors</b>	
<b>Dataset Authors 1</b>	
<b>Name</b>	Stroeve, Julienne
<b>Type of Name</b>	Personal
<b>Email</b>	<a href="mailto:julienne.stroeve@umanitoba.ca">julienne.stroeve@umanitoba.ca</a>
<b>Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
<b>ORCID ID</b>	
<b>Contributors</b>	
<b>Contributors 1</b>	
<b>Name</b>	Saha, Monojit

Field	Value
<b>Role</b>	DataCollector
<b>Email</b>	
<b>Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
<b>ORCID ID</b>	
<b>Contributors 2</b>	
<b>Name</b>	Nandan, Vishnu
<b>Role</b>	DataCollector
<b>Email</b>	
<b>Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
<b>ORCID ID</b>	
<b>Contributors 3</b>	
<b>Name</b>	Willatt, Rosemary
<b>Role</b>	DataCollector
<b>Email</b>	

Field	Value
<b>Affiliation</b>	
<b>ORCID ID</b>	
<b>Contributors 4</b>	
<b>Name</b>	Mallett, Robbie
<b>Role</b>	DataCollector
<b>Email</b>	
<b>Affiliation</b>	
<b>ORCID ID</b>	
<b>Contributors 5</b>	
<b>Name</b>	Newman, Thomas
<b>Role</b>	DataCollector
<b>Email</b>	
<b>Affiliation</b>	
<b>ORCID ID</b>	
<b>Contributors 6</b>	

Field	Value
<b>Name</b>	Jensen, David
<b>Role</b>	DataCollector
<b>Email</b>	
<b>Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
<b>ORCID ID</b>	
<b>Contributors 7</b>	
<b>Name</b>	Yackel, John
<b>Role</b>	DataCollector
<b>Email</b>	
<b>Affiliation</b>	University of Calgary
<b>ORCID ID</b>	
<b>Project Data Curator</b>	Stroeve, Julienne
<b>Project Data Curator email</b>	<a href="mailto:julienne.stroeve@umanitoba.ca">julienne.stroeve@umanitoba.ca</a>

Field	Value
<b>Project Data Curator Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
<b>Dataset Collection Start Date</b>	2021-12-02
<b>Dataset Collection End Date</b>	2023-08-12
<b>Sample Collection</b>	
<b>Sample Collection 1</b>	
<b>Sampling Instrument Name</b>	Magnaprobe
<b>Standardized Sampling Instrument Name</b>	
<b>Sample Collection Method Name</b>	Transect Survey
<b>Comment</b>	
<b>Method Link</b>	<a href="https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2018WR023559">https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2018WR023559</a>
<b>Method Summary</b>	A Snow Hydro Magnaprobe was used to sample snow on sea ice and lake ice.
<b>Method Description Type</b>	Methods
<b>Activity Collection Type</b>	Field Measurement
<b>Preferred citation</b>	
<b>Analytical Instrument</b>	

Field	Value
<b>Analytical Instrument 1</b>	
<b>Analytical Instrument Name</b>	Snow Hydro Magnaprobe
<b>Standardized Analytical Instrument Name</b>	
<b>Analytical Instrument Identifier Id</b>	
<b>Analytical Instrument Title Type</b>	Alternative Title
<b>Analytical Instrument Identifier Type</b>	
<b>Analytical Method</b>	
<b>Analytical Method 1</b>	
<b>Analytical Method Name</b>	
<b>Method Link</b>	
<b>Method Summary</b>	
<b>Laboratory</b>	
<b>Comments</b>	
<b>Variables Measured</b>	
<b>Licence Name or Copyright Statement</b>	Creative Commons Attribution 4.0 International
<b>Copyright Statement</b>	
<b>Licence Type</b>	Open
<b>Embargo Date</b>	
<b>Licence URL</b>	<a href="https://spdx.org/licenses">https://spdx.org/licenses</a>

Field	Value
<b>Terms of Access</b>	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.
<b>Terms of Use</b>	By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).
<b>Awards</b>	
<b>Awards 1</b>	
<b>Award Title</b>	Canada 150 Research Chair
<b>Website</b>	<a href="https://www.canada150.chairs-chaire.gc.ca/chairholders-titulaires/index-eng.aspx#stroeve">https://www.canada150.chairs-chaire.gc.ca/chairholders-titulaires/index-eng.aspx#stroeve</a>
<b>Funder Name</b>	NSERC
<b>Funder Identifier Code</b>	
<b>Funder Identifier Type</b>	
<b>Funder Identifier Scheme</b>	
<b>Grant Number</b>	
<b>Related Resources</b>	
<b>Related Resources 1</b>	

Field	Value
<b>Related Resource Name</b>	
<b>Resource Code</b>	
<b>Identifier Type</b>	
<b>Relationship To This Dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Type</b>	
<b>Series Name</b>	
<b>Publications</b>	
<b>Publications 1</b>	
<b>Publication Name</b>	
<b>Identifier Code</b>	
<b>Identifier Type</b>	
<b>Relationship to this dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Publication Type</b>	
<b>Spatial regions</b>	churchill
<b>Spatial extent West Bound Longitude</b>	
<b>Spatial extent East Bound Longitude</b>	
<b>Spatial extent South Bound Latitude</b>	
<b>Spatial extent North Bound Latitude</b>	

# Data and Resources

Field	Value
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/93a76899-0e2c-4cba-a50c-6e7508f84934/download/snow_depth_december_2_2021_processed.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/93a76899-0e2c-4cba-a50c-6e7508f84934/download/snow_depth_december_2_2021_processed.csv</a>
<b>Name</b>	Snow depth December 2, 2021
<b>Description</b>	Snow depth transects conducted in conjunction with KuKa transects during the Churchill Freeze-up Campaign (December 2 to 15, 2021).
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/a76ea9f3-4504-4316-ae5c-a871c31645e3/download/snow_depth_december_4_2021_processed.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/a76ea9f3-4504-4316-ae5c-a871c31645e3/download/snow_depth_december_4_2021_processed.csv</a>
<b>Name</b>	Snow depth December 4, 2021
<b>Description</b>	Snow depth transects conducted in conjunction with KuKa transects during the Churchill Freeze-up Campaign (December 2 to 15, 2021).
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/cb2be7cb-78cc-475c-b81d-b9a6676be24e/download/snow_depth_december_6_2021_processed.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/cb2be7cb-78cc-475c-b81d-b9a6676be24e/download/snow_depth_december_6_2021_processed.csv</a>

Field	Value
<b>Name</b>	Snow depth December 6, 2021
<b>Description</b>	Snow depth transects conducted in conjunction with KuKa transects during the Churchill Freeze-up Campaign (December 2 to 15, 2021).
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/9657f8a1-217f-4bdb-a131-c0ef3efca11f/download/snow_depth_december_8_2021_processed.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/9657f8a1-217f-4bdb-a131-c0ef3efca11f/download/snow_depth_december_8_2021_processed.csv</a>
<b>Name</b>	Snow depth December 8, 2021
<b>Description</b>	Snow depth transects conducted in conjunction with KuKa transects during the Churchill Freeze-up Campaign (December 2 to 15, 2021).
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/83a1b8af-5895-4a92-9de6-2d087940262b/download/snow_depth_december_9_2021_processed.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/83a1b8af-5895-4a92-9de6-2d087940262b/download/snow_depth_december_9_2021_processed.csv</a>
<b>Name</b>	Snow depth December 9, 2021

Field	Value
<b>Description</b>	Snow depth transects conducted in conjunction with KuKa transects during the Churchill Freeze-up Campaign (December 2 to 15, 2021).
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/53653269-6132-4c70-9568-9f4f47542c6b/download/snow_depth_december_11_2021_processed.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/53653269-6132-4c70-9568-9f4f47542c6b/download/snow_depth_december_11_2021_processed.csv</a>
<b>Name</b>	Snow depth December 11, 2021
<b>Description</b>	Snow depth transects conducted in conjunction with KuKa transects during the Churchill Freeze-up Campaign (December 2 to 15, 2021).
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/86632e04-5402-4376-8d94-d8926b0ccd0d/download/snow_depth_december_12_2021_processed.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/a2ba700e-6ef2-44e0-8195-0e6275052a4b/resource/86632e04-5402-4376-8d94-d8926b0ccd0d/download/snow_depth_december_12_2021_processed.csv</a>
<b>Name</b>	Snow depth December 12, 2021
<b>Description</b>	Snow depth transects conducted in conjunction with KuKa transects during the Churchill Freeze-up Campaign (December 2 to 15, 2021).

Field	Value
<b>Format</b>	CSV
<b>Resource Category</b>	data