

Metadata

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|---|---|
| Dataset Name | Churchill snow geophysical data - December 2021 |
| Dataset General Type | snow data |
| Dataset Type | Dataset |
| Dataset Level | 0 |
| Program Website | |
| Keyword Vocabulary | Polar Data Catalogue |
| Keyword Vocabulary URL | https://www.polardata.ca/pdcinput/public/keywordlibrary |
| Theme | |
| Dataset Status | Planned |
| Maintenance and Update Frequency | Not planned |
| Dataset Last Revision Date | 2023-08-08 |
| Dataset DOI | 10.34992/6v44-h203 |
| Metadata Creation Date | 2023 |
| Publisher | CanWIN |
| Dataset Authors | |
| Dataset Authors 1 | |
| Name | Stroeve, Julianne |
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| ORCID ID | |
| Contributors | |
| Contributors 1 | |
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Project Data Curator Affiliation Centre for Earth Observation Science - University of Manitoba

Dataset Collection Start Date 2021-12-02

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|--|--|
| Dataset Collection End Date | 2023-08-12 |
| Sample Collection | |
| Sample Collection 1 | |
| Sampling Instrument Name | Conductivity Meter |
| Standardized Sampling Instrument Name | |
| Sample Collection Method Name | Snow salinity measurements |
| Comment | |
| Method Link | |
| Method Summary | A conductivity meter was used to measure the snow salinity from different snow layers collected from snow pits. |
| Method Description Type | Methods |
| Sample Collection 2 | |
| Sampling Instrument Name | Temperature Probe |
| Standardized Sampling Instrument Name | |
| Sample Collection Method Name | Snow temperature profile measurements |
| Comment | |
| Method Link | |
| Method Summary | A temperature probe was used to measure the changing snow temperature profile across different depths of the snow pit |
| Method Description Type | Methods |
| Sample Collection 3 | |
| Sampling Instrument Name | Snow Density Cutter |
| Standardized Sampling Instrument Name | |
| Sample Collection Method Name | Snow density measurement |
| Comment | |
| Method Link | |
| Method Summary | A snow density cutter was used to take snow samples across different layers of the snow pit. The snow density was later calculated after weighing the snow layers and using the approximate density of the cutter. |
| Method Description Type | Methods |
| Activity Collection Type | Field Measurement |
| Preferred citation | |
| Analytical Instrument | |
| Analytical Instrument 1 | |

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| Analytical Instrument Name | |
| 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 | |
| Funder Identifier Code | |
| Funder Identifier Type | |
| Funder Identifier Scheme | |
| Grant Number | |
| Related Resources | |
| Related Resources 1 | |
| Related Resource Name | |
| Resource Code | |
| Identifier Type | |

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| 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

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|--------------------------|---|
| URL | https://CanWINerddap.ad.umanitoba.ca/erddap/tabledap/snow_pit_range_data_5276_e582_9692.csvp?time%2CDepth_from_snow_ice_interface_start%2CDepth_from_snow_ice_interface_end%2CMass_of_snow%2CMass_of_snow_result_value_qualifier%2CBag_mass_to_subtract |
| Name | Snow geophysical properties - depth ranges |
| Description | These geophysical properties were measured from depth ranges , where zero (0) is the snow-sea ice interface (SSI) . |
| Format | CSV |
| Resource Category | data |
| URL | https://CanWINerddap.ad.umanitoba.ca/erddap/tabledap/snow_pit_point_data_7bac_1649_ed04.csvp?time%2CDepth_from_snow_ice_interface%2CDepth_from_snow_ice_interface_result_value_qualifier%2CMass_of_snow%2CMass_of_snow_result_value_qualifier%2CBag_mass |
| Name | Snow geophysical properties - single depths |
| Description | These geophysical properties were measured from specific depths , where SSI represents the snow-sea ice interface . |
| Format | CSV |
| Resource Category | data |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/dataset/873d0464-6c92-4bb6-bd10-7cfa8e78b854/resource/40e98323-3364-41c5-878a-2fae1b91f990/download/snow_pit_log |
| Name | Log file |
| Description | Log containing additional information and comments for each station measurement. |
| Format | CSV |
| Resource Category | supplemental |