Metadata

Field	Value
Dataset Name	Surface Skin Temperature on Landfast Sea Ice across the Canadian Arctic
Dataset General Type	surface skin temperature 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	
Title	Cryosphere
URL	https://canwin-datahub.ad.umanitoba.ca/data/fr/group/cryosphere
Dataset Status	In Progress
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2026-01-07
Dataset DOI	

Field	Value
Metadata Creation Date	2026
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	
Name	Diaz, Aura
Type of Name	Personal
Email	umdiaza@myumanitoba.ca
Affiliation	Centre for Earth Observation Science - University of Manitoba
ORCID ID	https://orcid.org/0000-0002-7362-619X
	ORCID
	http://orcid.org/
Contributors	
Contributors 1	
Name	Papakyriakou, Tim
Role	DataCollector

Field	Value
Email	tim.papakyriakou@umanitoba.ca
Affiliation	
ORCID ID	
Contributors 2	
Name	Ehn, Jens
Role	DataCollector
Email	jens.ehn@umanitoba.ca
Affiliation	Centre for Earth Observation Science - University of Manitoba
ORCID ID	
Project Data Curator	Diaz, Aura
Project Data Curator email	umdiaza@myumanitoba.ca
Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
Dataset Collection Start Date	1992-04-21

Field	Value
Dataset Collection End Date	2019-05-26
Sample Collection	
Sample Collection 1	
Sampling Instrument Name	Meteorological Tower
Standardized Sampling Instrument Name	
Sample Collection Method Name	
Comment	Sensors include: - Eppley (model PIR) Pyrgeometer - Everest 4000.4GL infrared temperature transducer - Everest 4000.4ZL infrared temperature transducer - Kipp & Zonen CNR4 Net radiometer
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	

Field	Value
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	
Licence Name or Copyright Statement	Creative Commons Attribution 4.0 International
Copyright Statement	
Licence Type	Open
Embargo Date	
Licence URL	https://spdx.org/licenses

Field	Value
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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	
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	

Field	Value
Relationship To This Dataset	
Resource Type	Online Resource
Type	
Series Name	

Publications

Publications 1

Publication Name	An examination of relationship among the energy balance, surface properties and climate over snow covered sea ice during the spring season. Ontario, Canada: University of Waterloo.
Identifier Code	
Identifier Type	
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	Dissertation

Publications 2

Publication Name	On the Validation of Satellite-Derived Sea Ice Surface Temperature
Identifier Code	10.14430/arctic1298
Identifier Type	DOI
Relationship to this dataset	

Field	Value
Resource Type	Online Resource
Publication Type	JournalArticle
Publications 3	
Publication Name	C-ICE'02 FIELD SUMMARY.
Identifier Code	
Identifier Type	
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	Report
Publications 4	
Publication Name	On thin ice : a synthesis of the Canadian Arctic Shelf Exchange Study (CASES).
Identifier Code	
Identifier Type	
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	Book
Publications 5	

Field	Value
Publication Name	Carbon dynamics in sea ice: A winter flux time series.
Identifier Code	10.1029/2009jc006058
Identifier Type	DOI
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	JournalArticle
Publications 6	
Publication Name	Surface albedo observations of Hudson Bay (Canada) landfast sea ice during the spring melt.
Identifier Code	10.3189/172756406781811376
Identifier Type	DOI
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	JournalArticle
Spatial regions	arctic-basin
Spatial extent West Bound Longitude	

Field	Value
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/9a0ed51a-0c84-4eed-81c2-efc05d897380/resource/02952019-8134-4ebd-9388-1dba9180aad5/download/skt_table.csv
Name	Surface Skin Temperature data
Description	
Format	CSV
Resource Category	data