Metadata

Field	Value
Dataset Name	Optical measurements of sea ice - Hudson Bay 2018
Dataset General Type	ice optics
Dataset Type	Dataset
Dataset Level	
Program Website	
Keyword Vocabulary	Polar Data Catalogue
Keyword Vocabulary URL	https://www.polardata.ca/pdcinput/public/keywordlibrary
Theme	
Title	Marine
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/marine
Title	Surface Radiation Budget
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/surface-radiation-budget
Dataset Status	Complete
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2020-11-16

Field	Value
Dataset DOI	10.34992/v7jy-hw59
Metadata Creation Date	2026
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	
Name	Matthes, Lisa. C
Type of Name	Personal
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	ORCID
	http://orcid.org/
Dataset Authors 2	
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Type of Name	Personal

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ORCID ID	

Dataset Authors 3

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Contributors

Contributors 1

Name	Mundy, CJ
Role	Supervisor

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Contributors 2	
Name	Ehns, Jens
Role	Supervisor
Email	
Affiliation	
ORCID ID	
Project Data Curator	Matthes, Lisa. C
Project Data Curator email	matthesl@myumanitoba.ca
Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
Dataset Collection Start Date	2018-06-03
Dataset Collection End Date	2018-07-24

Field	Value
Sample Collection	
Sample Collection 1	
Sampling Instrument Name	Hyperspectral radiometers: RAMSES-ACC, TriOS GmbH, Germany
Standardized Sampling Instrument Name	Probe/Sensor
Sample Collection Method Name	Measurements of sea ice surface properties and optical properties of sea ice
Comment	
Method Link	
Method Summary	
Method Description Type	Methods
Activity Collection Type	Field Measurement
Preferred citation	Matthes, L.C., Ehn, J.K., L.-Girard, S., Pogorzelec, N.M., Babin, M. and Mundy, C.J. (2019). Average cosine coefficient and spectral distribution of the light field under sea ice: Implications for primary production. Elem Sci Anth, 7(1), p.25. DOI: http://doi.org/10.1525/elementa.363
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	
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	
Related Resources	

Field	Value
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	Light propagation in ice-covered environments: Seasonal progression and biological implications. PhD thesis.
Identifier Code	http://hdl.handle.net/1993/35352
Identifier Type	
Relationship to this dataset	Describes
Resource Type	Online Resource
Publication Type	Dissertation
Publications 2	
Publication Name	Environmental drivers of spring primary production in Hudson Bay

Field	Value
Identifier Code	doi.org/10.1525/elementa.2020.00160
Identifier Type	DOI
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	JournalArticle
Spatial regions	hudson-bay
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/2af18616-df59-4a6c-ba24-413e0d832186/resource/1377b1b0-27c6-44a8-87b7-d9117f5e8cf3/download/baysys2018_ice_optics_measurements.xlsx
Name	Ice optics measurements

Field	Value
Description	Optical measurements and sea ice surface measurements- Hudson Bay 2018.
Format	
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/2af18616-df59-4a6c-ba24-413e0d832186/resource/c16f1b93-1c7a-416b-aa2c-20921602fe70/download/baysys2018_ice_optics_measurements_supp.pdf
Name	Supplemental Metadata
Description	Supplemental information - station information, variable details, and data file details.
Format	PDF
Resource Category	supplemental

Campaigns

Field	Value
Title	2018 Spring Hudson Bay Wide CCGS Amundsen Campaign
URL	https://canwin-datahub.ad.umanitoba.ca/data/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign