

Metadata

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
Dataset Status	Complete
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2020-11-16
Dataset DOI	10.34992/v7jy-hw59
Metadata Creation Date	2023
Publisher	CanWIN

Dataset Authors

Dataset Authors 1

Name Matthes, Lisa. C
Type of Name Personal
Email matthesl@myumanitoba.ca
Affiliation Centre for Earth Observation Science - University of Manitoba
ORCID ID 0000-0002-7362-0417
ORCID
<http://orcid.org/>

Dataset Authors 2

Name Mundy, C.J.
Type of Name Personal
Email cj.mundy@umanitoba.ca
Affiliation Centre for Earth Observation Science - University of Manitoba
ORCID ID

Dataset Authors 3

Name Ehns, Jens
Type of Name Personal
Email jens.ehn@umanitoba.ca
Affiliation Centre for Earth Observation Science - University of Manitoba
ORCID ID

Contributors

Contributors 1

Name Mundy, CJ
Role Supervisor
Email

Affiliation

ORCID ID

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

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	
Analytical Instrument Title Type	Alternative Title
Analytical Instrument Identifier Type	
Analytical Method	
License Name	Creative Commons Attribution 4.0 International
Licence Type	Open

Embargo Date	
Licence URL	https://spdx.org/licenses
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Awards	
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	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
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

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
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

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