

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	
Dataset Status	Complete
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2020-11-16
Dataset DOI	
Metadata Creation Date	2022
Publisher	CanWIN
Dataset Authors	
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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**

**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

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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://lwin-dev.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://lwin-dev.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://lwin-dev.ad.umanitoba.ca/data/fr/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign