

# Metadata

<b>Dataset Name</b>	Optical measurements of sea ice - Hudson Bay 2018
<b>Dataset General Type</b>	ice optics
<b>Dataset Type</b>	Dataset
<b>Dataset Level</b>	
<b>Program Website</b>	
<b>Keyword Vocabulary</b>	Polar Data Catalogue
<b>Keyword Vocabulary URL</b>	<a href="https://www.polardata.ca/pdcinput/public/keywordlibrary">https://www.polardata.ca/pdcinput/public/keywordlibrary</a>
<b>Theme</b>	
<b>Dataset Status</b>	Complete
<b>Maintenance and Update Frequency</b>	Not planned
<b>Dataset Last Revision Date</b>	2020-11-16
<b>Dataset DOI</b>	
<b>Metadata Creation Date</b>	2022
<b>Publisher</b>	CanWIN
<b>Dataset Authors</b>	
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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**

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**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

<b>Identifier Code</b>	doi.org/10.1525/elementa.2020.00160
<b>Identifier Type</b>	DOI
<b>Relationship to this dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Publication Type</b>	JournalArticle
<b>Spatial regions</b>	hudson-bay
<b>Spatial extent West Bound Longitude</b>	
<b>Spatial extent East Bound Longitude</b>	
<b>Spatial extent South Bound Latitude</b>	
<b>Spatial extent North Bound Latitude</b>	

# Data and Resources

<b>URL</b>	<a href="https://lwbins-dev.ad.umanitoba.ca/data/dataset/2af18616-df59-4a6c-ba24-413e0d832186/resource/1377b1b0-27c6-44a8-87b7-d9117f5e8cf3/download/baysys2018_ice_optics_measurements.xlsx">https://lwbins-dev.ad.umanitoba.ca/data/dataset/2af18616-df59-4a6c-ba24-413e0d832186/resource/1377b1b0-27c6-44a8-87b7-d9117f5e8cf3/download/baysys2018_ice_optics_measurements.xlsx</a>
<b>Name</b>	Ice optics measurements
<b>Description</b>	Optical measurements and sea ice surface measurements- Hudson Bay 2018.
<b>Format</b>	
<b>Resource Category</b>	data

  

<b>URL</b>	<a href="https://lwbins-dev.ad.umanitoba.ca/data/dataset/2af18616-df59-4a6c-ba24-413e0d832186/resource/c16f1b93-1c7a-416b-aa2c-20921602fe70/download/baysys2018_ice_optics_measurements_supp.pdf">https://lwbins-dev.ad.umanitoba.ca/data/dataset/2af18616-df59-4a6c-ba24-413e0d832186/resource/c16f1b93-1c7a-416b-aa2c-20921602fe70/download/baysys2018_ice_optics_measurements_supp.pdf</a>
<b>Name</b>	Supplemental Metadata
<b>Description</b>	Supplemental information - station information, variable details, and data file details.
<b>Format</b>	PDF
<b>Resource Category</b>	supplemental

# Campaigns

<b>Title</b>	2018 Spring Hudson Bay Wide CCGS Amundsen Campaign
<b>URL</b>	<a href="https://lwbins-dev.ad.umanitoba.ca/data/en/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign">https://lwbins-dev.ad.umanitoba.ca/data/en/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign</a>