

# Metadata

<b>Dataset Name</b>	Regional ice optics - 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>	
<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>Title</b>	Marine
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/group/marine">https://canwin-datahub.ad.umanitoba.ca/data/group/marine</a>
<b>Dataset Status</b>	Complete
<b>Maintenance and Update Frequency</b>	As needed
<b>Dataset Last Revision Date</b>	2020-11-16
<b>Dataset DOI</b>	10.34992/3stv-dh53
<b>Metadata Creation Date</b>	2023
<b>Publisher</b>	CanWIN

## Dataset Authors

### Dataset Authors 1

**Name** Matthes, Lisa. C  
**Type of Name** Personal  
**Email** [matthesl@myumanitoba.ca](mailto: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](mailto: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](mailto:jens.ehn@umanitoba.ca)  
**Affiliation** Centre for Earth Observation Science - University of Manitoba  
**ORCID ID**

## Contributors

### Contributors 1

**Name** Mundy, C.J.  
**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](mailto: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**

2018-06-24

**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**

Calculated regional averages of sea ice surface properties and optical properties

**Comment**

**Method Link**

**Method  
Summary**

**Method  
Description  
Type**

Methods

**Sample  
Collection 2**

**Sampling  
Instrument  
Name**

Video Camera

**Standardized  
Sampling  
Instrument  
Name**

cameras

**Sample  
Collection  
Method Name**

Calculated regional averages of sea ice surface properties and optical properties

**Comment**

**Method Link**

**Method  
Summary**

**Method  
Description  
Type**

Methods

**Activity  
Collection  
Type**

Field Measurement

**Preferred  
citation**

Citation 1: Matthes, L.C., Mundy, C.J., L.-Girard, S., Babin, M., Verin, G. and Ehn, J.K. (2020). Spatial heterogeneity as a key variable influencing spring-summer progression in UVR and PAR transmission through Arctic sea ice. *Front Mar Sci* 7. *Frontiers*. doi: 10.3389/fmars.2020.00183. || Citation 2: Harasyn M.L., Isleifson D., Chan W., Barber D.G. (2020). Multi-scale observations of the co-evolution of sea ice thermophysical properties and microwave brightness

**Analytical  
Instrument**

**Analytical  
Instrument 1**

**Analytical  
Instrument  
Name**

<b>Standardized Analytical Instrument Name</b>	
<b>Analytical Instrument Identifier Id</b>	
<b>Analytical Instrument Title Type</b>	Alternative Title
<b>Analytical Instrument Identifier Type</b>	
<b>Analytical Method</b>	
<b>License Name</b>	Creative Commons Attribution 4.0 International
<b>Licence Type</b>	Open
<b>Embargo Date</b>	
<b>Licence URL</b>	<a href="https://spdx.org/licenses">https://spdx.org/licenses</a>
<b>Terms of Access</b>	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.
<b>Terms of Use</b>	By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).
<b>Awards</b>	
<b>Related Resources</b>	
<b>Related Resources 1</b>	
<b>Related Resource Name</b>	
<b>Resource Code</b>	
<b>Identifier Type</b>	

**Relationship  
To This  
Dataset**

**Resource Type**    Online Resource

**Type**

**Series Name**

## **Publications**

### **Publications 1**

**Publication  
Name**

**Identifier Code**

**Identifier Type**

**Relationship to  
this dataset**

**Resource Type**    Online Resource

**Publication  
Type**

## **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

<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/a9811708-c22f-48ed-bc45-39aede388f3d/resource/b4af57f3-69eb-4612-acb5-883a56e42982/download/baysys2018_calculated_regional_ice_optics.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/a9811708-c22f-48ed-bc45-39aede388f3d/resource/b4af57f3-69eb-4612-acb5-883a56e42982/download/baysys2018_calculated_regional_ice_optics.csv</a>
<b>Name</b>	Ice optics
<b>Description</b>	Regional averages of surface and optical properties of mobile sea ice floes
<b>Format</b>	CSV
<b>Resource Category</b>	data

  

<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/a9811708-c22f-48ed-bc45-39aede388f3d/resource/5228e634-33d0-4298-8261-7e8fe5f2a130/download/baysys2018_calculated_regional_ice_optics_supplemental.pdf">https://canwin-datahub.ad.umanitoba.ca/data/dataset/a9811708-c22f-48ed-bc45-39aede388f3d/resource/5228e634-33d0-4298-8261-7e8fe5f2a130/download/baysys2018_calculated_regional_ice_optics_supplemental.pdf</a>
<b>Name</b>	Supplemental Metadata
<b>Description</b>	Supplemental information - station information, sample 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://canwin-datahub.ad.umanitoba.ca/data/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign">https://canwin-datahub.ad.umanitoba.ca/data/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign</a>