

Metadata

Dataset Name	Regional ice optics - Hudson Bay 2018
Dataset General Type	ice optics
Dataset Type	Dataset
Dataset Level	
Program Website	
Keyword Vocabulary	
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	As needed
Dataset Last Revision Date	2020-11-16
Dataset DOI	10.34992/3stv-dh53
Metadata Creation Date	2023
Publisher	CanWIN

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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**

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**

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

URL	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
Name	Ice optics
Description	Regional averages of surface and optical properties of mobile sea ice floes
Format	CSV
Resource Category	data

URL	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
Name	Supplemental Metadata
Description	Supplemental information - station information, sample 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