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