

Metadata

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|---|---|
| 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 | |
| Title | Marine |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/en/group/marine |
| Dataset Status | Complete |
| Maintenance and Update Frequency | Not planned |
| Dataset Last Revision Date | 2020-11-16 |
| Dataset DOI | 10.34992/v7jy-hw59 |
| Metadata Creation Date | 2023 |
| 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 | Methods |
| 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 |

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|-------------------------------------|--|
| Embargo Date | |
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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://canwin-datahub.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://canwin-datahub.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://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign |