

# Metadata

<b>Dataset Name</b>	Photosynthesis-irradiance in ice and water - Hudson Bay 2018
<b>Dataset General Type</b>	photosynthesis-irradiance data
<b>Dataset Type</b>	Dataset
<b>Dataset Level</b>	1.1
<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>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>	Not planned
<b>Dataset Last Revision Date</b>	2021-02-10
<b>Dataset DOI</b>	10.34992/pw6v-sb33
<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**

### 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**

### Dataset Authors 4

**Name** Belanger, Simon  
**Type of Name** Personal  
**Email** [simon\\_belanger@uqar.ca](mailto:simon_belanger@uqar.ca)  
**Affiliation** Université du Québec à Rimouski

ORCID ID

## Contributors

### Contributors 1

**Name** Mundy, C.J.  
**Role** Supervisor  
**Email** [cj.mundy@umanitoba.ca](mailto:cj.mundy@umanitoba.ca)  
**Affiliation** Centre for Earth Observation Science - University of Manitoba  
**ORCID ID**

### Contributors 2

**Name** Ehns, Jens  
**Role** Supervisor  
**Email** [jens.ehn@umanitoba.ca](mailto:jens.ehn@umanitoba.ca)  
**Affiliation** Centre for Earth Observation Science - University of Manitoba  
**ORCID ID**

### Contributors 3

**Name** Belanger, Simon  
**Role** Supervisor  
**Email**  
**Affiliation** Université du Québec à Rimouski  
**ORCID ID**

**Project Data Curator** Matthes, Lisa. C

**Project Data Curator email** [matthesl@myumanitoba.ca](mailto:matthesl@myumanitoba.ca)

**Project Data****Curator**

Centre for Earth Observation Science - University of Manitoba

**Affiliation****Dataset****Collection**

2018-06-03

**Start Date****Dataset****Collection**

2018-07-01

**End Date****Sample****Collection****Sample****Collection 1****Sampling  
Instrument  
Name**

Core Barrel

**Standardized  
Sampling  
Instrument  
Name**

KOVACS ice coring systems

**Sample  
Collection  
Method Name**

Ice core collection

**Comment****Method Link****Method  
Summary****Method  
Description  
Type**

Methods

**Sample****Collection 2****Sampling  
Instrument  
Name**

Incubator

**Standardized  
Sampling  
Instrument  
Name**

INCUBATOR

**Sample  
Collection  
Method Name**Incubations with radiolabelled carbon (<sup>14</sup>C)**Comment****Method Link**

**Method  
Summary**

**Method  
Description  
Type** Methods

**Sample  
Collection 3**

**Sampling  
Instrument  
Name** Rosette Sampler

**Standardized  
Sampling  
Instrument  
Name** discrete water samplers

**Sample  
Collection  
Method Name** Water collection

**Comment**

**Method Link**

**Method  
Summary**

**Method  
Description  
Type** Methods

**Sample  
Collection 4**

**Sampling  
Instrument  
Name** Pump/Non-Submersible

**Standardized  
Sampling  
Instrument  
Name**

**Sample  
Collection  
Method Name** Incubations with radiolabelled carbon (14C)

**Comment**

**Method Link**

**Method  
Summary**

**Method  
Description  
Type** Methods

**Sample  
Collection 5**

<b>Sampling Instrument Name</b>	Niskin bottles
<b>Standardized Sampling Instrument Name</b>	WATER BOTTLES
<b>Sample Collection Method Name</b>	Water collection
<b>Comment</b>	
<b>Method Link</b>	
<b>Method Summary</b>	
<b>Method Description Type</b>	Methods
<b>Activity Collection Type</b>	Field Measurement
<b>Preferred citation</b>	Citation 1: Babin M, Morel A, Gagnon R. 1994. An incubator designed for extensive and sensitive measurements of phytoplankton photosynthetic parameters. <i>Limnol Oceanogr</i> 39(3): 694–702. doi: 10.4319/lo.1994.39.3.0694.    Citation 2: Ferland J, Gosselin M, Starr M. 2011. Environmental control of summer primary production in the Hudson Bay system: The role of stratification. <i>J Mar Syst</i> 88(3): 385–400.
<b>Analytical Instrument</b>	
<b>Analytical Instrument 1</b>	
<b>Analytical Instrument Name</b>	Beckman Coulter LS6500 scintillation counter
<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>	
<b>Relationship To This Dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Type</b>	
<b>Series Name</b>	
<b>Publications</b>	
<b>Publications 1</b>	
<b>Publication Name</b>	
<b>Identifier Code</b>	
<b>Identifier Type</b>	

**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/d78c0638-9a83-4ea9-9fcb-329baa6fdca8/resource/e43ce7fa-9e22-42a4-9a55-4dee216da45c/download/baysys2018_14c_incubations_pvseparameters_ice-1.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/d78c0638-9a83-4ea9-9fcb-329baa6fdca8/resource/e43ce7fa-9e22-42a4-9a55-4dee216da45c/download/baysys2018_14c_incubations_pvseparameters_ice-1.csv</a>
<b>Name</b>	Photosynthesis-irradiance relationships - ice
<b>Description</b>	This data estimates primary production of bottom-ice communities and Melosira arctica
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/d78c0638-9a83-4ea9-9fcb-329baa6fdca8/resource/53b03ee5-f769-446e-9ced-2fe64306d78e/download/baysys2018_14c_incubations_pvseparameters_ice_supplemental.pdf">https://canwin-datahub.ad.umanitoba.ca/data/dataset/d78c0638-9a83-4ea9-9fcb-329baa6fdca8/resource/53b03ee5-f769-446e-9ced-2fe64306d78e/download/baysys2018_14c_incubations_pvseparameters_ice_supplemental.pdf</a>
<b>Name</b>	Supplemental Metadata - ice
<b>Description</b>	Supplemental information - station information, variable details, and data file details.
<b>Format</b>	PDF
<b>Resource Category</b>	supplemental
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/d78c0638-9a83-4ea9-9fcb-329baa6fdca8/resource/2fe6b512-608b-41c7-b34b-0811865e361a/download/baysys2018_14c_incubations_pvseparameters_water.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/d78c0638-9a83-4ea9-9fcb-329baa6fdca8/resource/2fe6b512-608b-41c7-b34b-0811865e361a/download/baysys2018_14c_incubations_pvseparameters_water.csv</a>
<b>Name</b>	Photosynthesis-irradiance relationships - water
<b>Description</b>	Photosynthesis-irradiance relationships for the estimation of primary production of phytoplankton and melt pond communities.
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/d78c0638-9a83-4ea9-9fcb-329baa6fdca8/resource/d28cb831-9fad-4ebd-80fb-24bb130e534e/download/baysys2018_14c_incubations_pvseparameters_water_supplemental.pdf">https://canwin-datahub.ad.umanitoba.ca/data/dataset/d78c0638-9a83-4ea9-9fcb-329baa6fdca8/resource/d28cb831-9fad-4ebd-80fb-24bb130e534e/download/baysys2018_14c_incubations_pvseparameters_water_supplemental.pdf</a>
<b>Name</b>	Supplemental Metadata - water
<b>Description</b>	Supplemental information - station information, variable details, and data file details.
<b>Format</b>	PDF
<b>Resource Category</b>	supplemental

# Deployment details

**Title** Rosette deployment-BaySys 2018

**URL** [https://canwin-datahub.ad.umanitoba.ca/data/deployment\\_details/rosette-deployment-baysys-2018](https://canwin-datahub.ad.umanitoba.ca/data/deployment_details/rosette-deployment-baysys-2018)

# 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>