

Metadata

Field	Value
Dataset Name	Photosynthesis-irradiance in ice and water - Hudson Bay 2018
Dataset General Type	photosynthesis-irradiance data
Dataset Type	Dataset
Dataset Level	1.1
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
Title	Sea Ice
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/group/sea-ice
Title	Water Colour
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/group/water-colour
Dataset Status	Complete

Field	Value
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2021-02-10
Dataset DOI	10.34992/pw6v-sb33
Metadata Creation Date	2026
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	
Name	Matthes, Lisa. C
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Type of Name	Personal

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Contributors	
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Contributors 2	
Name	Ehns, Jens
Role	Supervisor

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Contributors 3	
Name	Belanger, Simon
Role	Supervisor
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ORCID ID	
Project Data Curator	Matthes, Lisa. C
Project Data Curator email	matthesl@myumanitoba.ca
Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
Dataset Collection Start Date	2018-06-03

Field	Value
Dataset Collection End Date	2018-07-01
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 (14C)
Comment	
Method Link	
Method Summary	

Field	Value
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

Field	Value
Sample Collection 5	
Sampling Instrument Name	Niskin bottles
Standardized Sampling Instrument Name	WATER BOTTLES
Sample Collection Method Name	Water collection
Comment	
Method Link	
Method Summary	
Method Description Type	Methods
Activity Collection Type	Field Measurement
Preferred citation	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.
Analytical Instrument	
Analytical Instrument 1	
Analytical Instrument Name	Beckman Coulter LS6500 scintillation counter
Standardized Analytical Instrument Name	

Field	Value
Analytical Instrument Identifier Id	
Analytical Instrument Title Type	Alternative Title
Analytical Instrument Identifier Type	
Analytical Method	
Licence Name or Copyright Statement	Creative Commons Attribution 4.0 International
Copyright Statement	
Licence Type	Open
Embargo Date	
Licence URL	https://spdx.org/licenses
Terms of Access	<p>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.</p>
Terms of Use	<p>By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).</p>
Awards	

Field	Value
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	

Field	Value
Spatial extent South Bound Latitude	
Spatial extent North Bound Latitude	

Data and Resources

Field	Value
URL	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
Name	Photosynthesis-irradiance relationships - ice
Description	This data estimates primary production of bottom-ice communities and Melosira arctica
Format	CSV
Resource Category	data
URL	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
Name	Supplemental Metadata - ice
Description	Supplemental information - station information, variable details, and data file details.
Format	PDF

Field	Value
Resource Category	supplemental
URL	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
Name	Photosynthesis-irradiance relationships - water
Description	Photosynthesis-irradiance relationships for the estimation of primary production of phytoplankton and melt pond communities.
Format	CSV
Resource Category	data
URL	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
Name	Supplemental Metadata - water
Description	Supplemental information - station information, variable details, and data file details.
Format	PDF
Resource Category	supplemental

Deployment details

Field	Value
Title	Rosette deployment-BaySys 2018

Field	Value
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/deployment_details/rosette-deployment-baysys-2018

Campaigns

Field	Value
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