

Metadata

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	
Dataset Status	Complete
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2021-02-10
Dataset DOI	
Metadata Creation Date	2023
Publisher	CanWIN
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Dataset Collection Start Date 2018-06-03

**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**

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

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	
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://lwbins-dev.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://lwbins-dev.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
Resource Category	supplemental
URL	https://lwbins-dev.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://lwbins-dev.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

Title Rosette deployment-BaySys 2018

URL https://lwbins-dev.ad.umanitoba.ca/data/deployment_details/rosette-deployment-baysys-2018

Campaigns

Title 2018 Spring Hudson Bay Wide CCGS Amundsen Campaign

URL <https://lwbins-dev.ad.umanitoba.ca/data/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign>