

Metadata

Dataset Name	Carbon Sampling Data
Dataset General Type	carbon data
Dataset Type	Dataset
Dataset Level	0.1
Program Website	
Keyword Vocabulary	Polar Data Catalogue
Keyword Vocabulary URL	https://www.polardata.ca/pdcinput/public/keywordlibrary
Theme	
Title	Atmosphere
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/group/modelling
Title	Freshwater
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/group/freshwater
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	2018-08-01
Dataset DOI	10.34992/gsq2-rj50

**Metadata
Creation
Date**

2022

Publisher

CanWIN

**Dataset
Authors****Dataset
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ORCID

<http://orcid.org/>**Dataset
Authors 2****Name** Capelle, David**Type of Name** Personal**Email** David.capelle@umanitoba.ca**Affiliation** Centre for Earth Observation Science - University of Manitoba**ORCID ID****Contributors****Contributors 1****Name****Role****Email****Affiliation****ORCID ID**

Project Data Curator	Capelle, David
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Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
Dataset Collection Start Date	2017-02-15
Dataset Collection End Date	2018-07-12
Sample Collection	
Sample Collection 1	
Sampling Instrument Name	pCO2 Measuring System
Standardized Sampling Instrument Name	
Sample Collection Method Name	pCO2 system protocol
Comment	
Method Link	
Method Summary	
Method Description Type	
Sample Collection 2	
Sampling Instrument Name	FDOM sensor

**Standardized
Sampling
Instrument
Name**

Probe/Sensor

**Sample
Collection
Method Name**

FDOM sensor protocol

Comment

Method Link

**Method
Summary**

**Method
Description
Type**

**Sample
Collection 3**

**Sampling
Instrument
Name**

Thermal-salinograph

**Standardized
Sampling
Instrument
Name**

**Sample
Collection
Method Name**

TSG (Thermal-salinograph system) protocol

Comment

Method Link

**Method
Summary**

**Method
Description
Type**

**Sample
Collection 4**

**Sampling
Instrument
Name**

Pressure of In-situ Gases Instrument

**Standardized
Sampling
Instrument
Name**

**Sample
Collection
Method Name**

PIGI (Pressure of In-situ Gases Instrument) system protocol

Comment

Method Link

**Method
Summary**

**Method
Description
Type**

**Sample
Collection 5**

**Sampling
Instrument
Name** Radiation sensor

**Standardized
Sampling
Instrument
Name** Probe/Sensor

**Sample
Collection
Method Name** Radiation sensor system protocol

Comment

Method Link

**Method
Summary**

**Method
Description
Type**

**Sample
Collection 6**

**Sampling
Instrument
Name** Rosette

**Standardized
Sampling
Instrument
Name** discrete water samplers

**Sample
Collection
Method Name** Ship Rosette protocol

Comment

Method Link

**Method
Summary**

**Method
Description
Type**

**Sample
Collection 7**

Sampling Instrument Name Niskin bottle

Standardized Sampling Instrument Name Niskin Bottle

Sample Collection Method Name Surface Water Sampling (ship bow, zodiac, skippy boat)

Comment

Method Link

Method Summary

Method Description Type

Sample Collection 8

Sampling Instrument Name BOD glass bottles

Standardized Sampling Instrument Name WATER BOTTLES

Sample Collection Method Name Helicopter Sampling

Comment

Method Link

Method Summary

Method Description Type

Sample Collection 9

Sampling Instrument Name Ice corers

Standardized Sampling Instrument Name Ice Auger

Sample Collection Method Name Ice and Under-ice Water protocol

Comment

Method Link

**Method
Summary**

**Method
Description
Type**

**Activity
Collection
Type**

Field Measurement/Observation - Portable Data Logger

**Preferred
citation**

**Analytical
Instrument**

**Analytical
Instrument 1**

**Analytical
Instrument
Name**

Guildline AUTOSAL machine

**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://canwin-datahub.ad.umanitoba.ca/data/dataset/f509cd70-9e74-46f4-a9c8-7a46eb224761/resource/cf6976e5-da7a-4076-90b4-c39bd33fb4fc/download/baysys_carbon_sampling_2017_2018.csv

Name Carbon sampling data -BaySys

Description Data describing the principal components of the carbon system across the Hudson Bay.

Format CSV

**Resource
Category** data

URL <https://canwin-datahub.ad.umanitoba.ca/data/dataset/f509cd70-9e74-46f4-a9c8-7a46eb224761/resource/af30d1f2-7b18-46b8-9753-886af8edb4e9/download/carbon-smapling-supplemental-information.pdf>

Name Supplemental Metadata

Description Supplemental Information for the Carbon sampling dataset. Information includes detailed description of sampling methods, the data file variables, data processing and instrumentation used.

Format PDF

**Resource
Category** supplemental

Related Publications

Title BaySys Project Reports - Phase 1 and Phase 2

URL <https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-reports-1-2>

Instrument details

Title General Oceanics 8050 pCO2 system

URL https://canwin-datahub.ad.umanitoba.ca/data/en/instrument_details/general-oceanics-8050-pco2-system

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>