

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/fr/group/modelling |
| Title | Freshwater |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/fr/group/freshwater |
| Title | Marine |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/fr/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

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Contributors

Contributors 1

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| | |
|--|--|
| 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/fr/publication/baysys-reports-1-2>

Instrument details

Title General Oceanics 8050 pCO2 system

URL https://canwin-datahub.ad.umanitoba.ca/data/fr/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/fr/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign>