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/group/modelling
Title	Freshwater
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/freshwater
Title	Marine
URL	https://canwin-datahub.ad.umanitoba.ca/data/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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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/publication/baysys-reports-1-2

Instrument details

Title	General Oceanics 8050 pCO2 system
URL	https://canwin-datahub.ad.umanitoba.ca/data/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/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign