

Metadata

Dataset Name	Southampton Island Marine Ecosystem Project (SIMEP) Autonomous CTD Data 2019
Dataset General Type	SIMEP Autonomous CTD profiles
Dataset Type	Collection
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	As needed
Dataset Last Revision Date	2024-12-02
Dataset DOI	10.34992/nzp6-ht15
Metadata Creation Date	2025
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	
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Type of Name	Personal

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Dataset Collection Start Date 2019-08-05

Dataset Collection End Date 2019-08-29

Sample Collection

Sample Collection 1

Sampling Instrument Name SBE 19plus V2 SeaCAT Profiler CTD

Standardized Sampling Instrument Name

**Sample
Collection
Method Name**

Comment

Method Link

**Method
Summary**

Hydrographic profiles using conductivity, temperature and depth (CTD) sondes were obtained across straits and along channels to best cover water column structure around the island. Two separate, but identical pumped Seabird 19plus CTDs with Biospherical scalar photosynthetically active radiation (PAR) and Seabird ECOtriplet fluorometer sensors, were used to collect hydrographic profiles, one standalone (autonomous) CTD and one mounted on the ship's rosette. It is noted that the ship's rosette also had a Seabird dissolved oxygen sensor. There were more than 200 profiles collected in total with very good coverage around the island.

**Method
Description
Type**

Methods

**Activity
Collection
Type**

Field Measurement

**Preferred
citation**

**Analytical
Instrument**

**Analytical
Instrument 1**

**Analytical
Instrument
Name**

**Standardized
Analytical
Instrument
Name**

**Analytical
Instrument
Identifier Id**

**Analytical
Instrument
Title Type**

Alternative Title

**Analytical
Instrument
Identifier Type**

**Analytical
Method**

**Analytical
Method 1**

**Analytical
Method Name**

Method Link

**Method
Summary**

Laboratory

Comments

**Variables
Measured**

**License
Name**

Creative Commons Attribution 4.0 International

**Licence
Type**

Open

**Embargo
Date**

Licence URL

<https://spdx.org/licenses>

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Awards

Awards 1

Award Title

Website

Funder Name

**Funder
Identifier Code**

**Funder
Identifier Type**

**Funder
Identifier
Scheme**

Grant Number

**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/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/4ae74dc9-e656-457c-b464-1ebeeaa2826d6/download/excel_2019_autonomous_ctd_downcasts.csv
Name	excel_2019_autonomous_ctd_downcasts.csv
Description	CTD Downcasts - CSV
Format	CSV
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/b581baab-3216-4239-90ef-bbcbf77a0707/download/odv_2019_autonomous_ctd_downcasts.txt
Name	odv_2019_autonomous_ctd_downcasts.txt
Description	ODV CTD downcasts
Format	TXT
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/f3e8b022-485d-4008-8f92-a7b09c3e63a1/download/odv_2019_autonomous_ctd_downcasts.txt
Name	odv_2019_autonomous_ctd_downcasts.txt
Description	ODV CTD downcasts
Format	TXT
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/a59ec159-c2c8-4938-bb5d-5db8357987d8/download/r_scripts.zip
Name	R Scripts
Description	Scripts used for data processing.
Format	ZIP
Resource Category	scripts
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/8ff80683-6255-4fcb-97ff-583316300dda/download/kates-2019-ctd-cookbook.pdf
Name	Cookbook

Description CTD Rosette data processing steps.

Format PDF

Resource Category documents

URL https://canwinerddap.ad.umanitoba.ca/erddap/files/SIMEP_9c64_d6aa_6dd0/2019/Autonomous_CTD/

Name All data processing files

Description All data, setup, and configuration files used in processing. Please note that you can directly access the processed files, cookbook (processing instructions), and scripts on the main page. ****Click on the .zip file below to download****

Format HTML

Resource Category raw_data