

# Metadata

<b>Dataset Name</b>	Southampton Island Marine Ecosystem Project (SIMEP) Autonomous CTD Data 2019
<b>Dataset General Type</b>	SIMEP Autonomous CTD profiles
<b>Dataset Type</b>	Collection
<b>Dataset Level</b>	1.1
<b>Program Website</b>	
<b>Keyword Vocabulary</b>	Polar Data Catalogue
<b>Keyword Vocabulary URL</b>	<a href="https://www.polardata.ca/pdcinput/public/keywordlibrary">https://www.polardata.ca/pdcinput/public/keywordlibrary</a>
<b>Theme</b>	
<b>Dataset Status</b>	Complete
<b>Maintenance and Update Frequency</b>	As needed
<b>Dataset Last Revision Date</b>	2024-12-02
<b>Dataset DOI</b>	10.34992/nzp6-ht15
<b>Metadata Creation Date</b>	2025
<b>Publisher</b>	CanWIN
<b>Dataset Authors</b>	
<b>Dataset Authors 1</b>	
<b>Name</b>	Yezhova, Kate
<b>Type of Name</b>	Personal

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**ORCID ID**

## Contributors

### Contributors 1

**Name**  
**Role**  
**Email**  
**Affiliation**  
**ORCID ID**

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**Project Data Curator Affiliation** Centre for Earth Observation Science - University of Manitoba

**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>

**Terms of  
Access**

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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

<b>URL</b>	<a href="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">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</a>
<b>Name</b>	excel_2019_autonomous_ctd_downcasts.csv
<b>Description</b>	CTD Downcasts - CSV
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="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">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</a>
<b>Name</b>	odv_2019_autonomous_ctd_downcasts.txt
<b>Description</b>	ODV CTD downcasts
<b>Format</b>	TXT
<b>Resource Category</b>	data
<b>URL</b>	<a href="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">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</a>
<b>Name</b>	odv_2019_autonomous_ctd_downcasts.txt
<b>Description</b>	ODV CTD downcasts
<b>Format</b>	TXT
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/a59ec159-c2c8-4938-bb5d-5db8357987d8/download/r_scripts.zip">https://canwin-datahub.ad.umanitoba.ca/data/dataset/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/a59ec159-c2c8-4938-bb5d-5db8357987d8/download/r_scripts.zip</a>
<b>Name</b>	R Scripts
<b>Description</b>	Scripts used for data processing.
<b>Format</b>	ZIP
<b>Resource Category</b>	scripts
<b>URL</b>	<a href="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">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</a>
<b>Name</b>	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/](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