

# Metadata

<b>Dataset Name</b>	BaySys Ice Beacon Data- Churchill River (2017) and Hudson Bay (2018)
<b>Dataset General Type</b>	Ice beacon data
<b>Dataset Type</b>	Dataset
<b>Dataset Level</b>	1.2
<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>Title</b>	Cryosphere
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/group/cryosphere">https://canwin-datahub.ad.umanitoba.ca/data/en/group/cryosphere</a>
<b>Title</b>	Marine
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/group/marine">https://canwin-datahub.ad.umanitoba.ca/data/en/group/marine</a>
<b>Dataset Status</b>	Planned
<b>Maintenance and Update Frequency</b>	As needed
<b>Dataset Last Revision Date</b>	2018-08-03
<b>Dataset DOI</b>	10.34992/4yb7-ye97
<b>Metadata Creation Date</b>	2022
<b>Publisher</b>	CanWIN
<b>Dataset Authors</b>	
<b>Dataset Authors 1</b>	
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**Dataset Collection Start Date**

2017-02-01

**Dataset Collection End Date**

2018-08-03

**Sample Collection**

**Sample Collection 1**

**Sampling Instrument Name**

Ice Beacon – Solara Communications

**Standardized Sampling Instrument Name**

Ice Drift Beacon

**Sample Collection Method Name**

BaySys Winter 2017 Solara Communications Ice Beacon protocol

**Comment**

**Method Link**

**Method Summary**

**Method Description Type**

**Activity Collection Type**

Field Observation

**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**

**License Name**

Creative Commons Attribution 4.0 International

**License Type**

Open

<b>Embargo Date</b>	
<b>Licence URL</b>	<a href="https://spdx.org/licenses">https://spdx.org/licenses</a>
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<b>Awards</b>	
<b>Related Resources</b>	
<b>Related Resources 1</b>	
<b>Related Resource Name</b>	
<b>Resource Code</b>	
<b>Identifier Type</b>	
<b>Relationship To This Dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Type</b>	
<b>Series Name</b>	
<b>Publications</b>	
<b>Publications 1</b>	
<b>Publication Name</b>	
<b>Identifier Code</b>	
<b>Identifier Type</b>	
<b>Relationship to this dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Publication Type</b>	
<b>Spatial regions</b>	hudson-bay
<b>Spatial extent West Bound Longitude</b>	
<b>Spatial extent East Bound Longitude</b>	
<b>Spatial extent South Bound Latitude</b>	
<b>Spatial extent North Bound Latitude</b>	

## Data and Resources

<b>URL</b>	<a href="https://CanWINerddap.ad.umanitoba.ca/erddap/tabledap/BaySys_IceBeacon_data_9484_28fc_f86c.csv?project_name%2Cplatform_name%2Cbeacon_ID%2Clatitude%2Clongitude%2Ctime%2Cbattery_voltage_V%2Cinternal_temperature_C%2Cdistance_m%2Cdistance_result_value">https://CanWINerddap.ad.umanitoba.ca/erddap/tabledap/BaySys_IceBeacon_data_9484_28fc_f86c.csv?project_name%2Cplatform_name%2Cbeacon_ID%2Clatitude%2Clongitude%2Ctime%2Cbattery_voltage_V%2Cinternal_temperature_C%2Cdistance_m%2Cdistance_result_value</a>
<b>Name</b>	BaySys Ice Beacon Data 2017-2018
<b>Description</b>	Data recorded by the 16 ice beacons deployed in 2017 during the BaySys 2017 Churchill River and Mobile Ice Survey campaign, and the 10 ice beacons deployed in 2018 during the same campaign.
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e8cdedff-5c6b-4719-bc69-57c3d05cdd1c/resource/d2ef7c88-d03c-455a-8a5d-2d2ce9a0e5b5/download/icebeacon-bay">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e8cdedff-5c6b-4719-bc69-57c3d05cdd1c/resource/d2ef7c88-d03c-455a-8a5d-2d2ce9a0e5b5/download/icebeacon-bay</a>
<b>Name</b>	Supplemental Metadata
<b>Description</b>	Supplemental Metadata for Ice Beacon data collected during the Churchill River and Mobile Ice Survey (2017) and Hudson Bay Amundsen campaign (2018). Metadata includes key parameters and brief cleaning notes.
<b>Format</b>	PDF
<b>Resource Category</b>	documents
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e8cdedff-5c6b-4719-bc69-57c3d05cdd1c/resource/313bb256-f194-4214-a983-3910e670c058/download/ice_beacon_cookbook">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e8cdedff-5c6b-4719-bc69-57c3d05cdd1c/resource/313bb256-f194-4214-a983-3910e670c058/download/ice_beacon_cookbook</a>
<b>Name</b>	Ice Beacon Cookbook
<b>Description</b>	This document details the processing of ice beacon data collected from the BaySys project.
<b>Format</b>	PDF
<b>Resource Category</b>	documents
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e8cdedff-5c6b-4719-bc69-57c3d05cdd1c/resource/3a04c190-71f3-4d21-9191-d28b88d81837/download/speed_calculator">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e8cdedff-5c6b-4719-bc69-57c3d05cdd1c/resource/3a04c190-71f3-4d21-9191-d28b88d81837/download/speed_calculator</a>
<b>Name</b>	Ice Beacon Codebook
<b>Description</b>	This document details the code used to calculate the speed of ice beacon from the BaySys project.
<b>Format</b>	PDF
<b>Resource Category</b>	documents
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e8cdedff-5c6b-4719-bc69-57c3d05cdd1c/resource/c87d9746-0cac-4560-b04a-dcfd1e2c707a/download/speed_calculator">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e8cdedff-5c6b-4719-bc69-57c3d05cdd1c/resource/c87d9746-0cac-4560-b04a-dcfd1e2c707a/download/speed_calculator</a>
<b>Name</b>	Speed Calculator
<b>Description</b>	Python script for processing ice beacon data.
<b>Format</b>	ZIP
<b>Resource Category</b>	scripts

## Related Publications

<b>Title</b>	BaySys Project Reports - Phase 1 and Phase 2
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-reports-1-2">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-reports-1-2</a>

## Campaigns

<b>Title</b>	2017 Winter Churchill River and Mobile Ice Survey
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2017-winter-churchill-river-and-mobile-ice-survey">https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2017-winter-churchill-river-and-mobile-ice-survey</a>