

# 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>	
<b>Name</b>	Babb, David
<b>Type of Name</b>	Personal
<b>Email</b>	<a href="mailto:david.babb@umanitoba.ca">david.babb@umanitoba.ca</a>
<b>Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
<b>ORCID ID</b>	0000-0002-7427-8094
	ORCID
	<a href="http://orcid.org/">http://orcid.org/</a>
<b>Contributors</b>	
<b>Contributors 1</b>	
<b>Name</b>	
<b>Role</b>	
<b>Email</b>	
<b>Affiliation</b>	
<b>ORCID ID</b>	ORCID
	ORCID

<http://orcid.org/>

**Project Data Curator**

David Babb

**Project Data Curator email**

[david.babb@umanitoba.ca](mailto:david.babb@umanitoba.ca)

**Project Data Curator Affiliation**

**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

**Licence Type**

Open

<b>Embargo Date</b>	
<b>Licence URL</b>	<a href="https://spdx.org/licenses">https://spdx.org/licenses</a>
<b>Terms of Access</b>	CanWIN datasets are licensed individually, details for each licence used can be found using the Licence URL link provided with each dataset. By accessing this Web site and Database, you are agreeing to be bound by CanWIN's Terms of Use, all applicable laws and regulations, and agree that you are responsible for compliance with any applicable local laws. If you do not agree with any of these terms, do not use this site. Any claim relating to this web site shall be governed by the laws of the Province of Manitoba without regard to its conflict of law provisions
<b>Terms of Use</b>	This project is governed by CanWIN's Terms of Use. You can view the full terms here ( <a href="https://lwbin.cc.umanitoba.ca/wp-content/uploads/2019/10/CanWIN_DataPolicy_Nov2019.pdf">https://lwbin.cc.umanitoba.ca/wp-content/uploads/2019/10/CanWIN_DataPolicy_Nov2019.pdf</a> ). Citation: The Data User should properly cite the Data Set in any publications or in the metadata of any derived data products that were produced using the Data Set. Acknowledgement: The Data User should acknowledge any institutional support or specific funding awards referenced in the metadata accompanying this dataset in any publications where the Data Set contributed significantly to its content. Acknowledgements should identify the supporting party, the party that received the support, and any identifying information such as grant numbers. Notification: The Data User should notify the Data Set Contact when any derivative work or publication based on or derived from the Data Set is distributed. Notification will include an explanation of how the Data Set was used to produce the derived work. Collaboration: The Data Set has been released in the spirit of open scientific collaboration. Data Users are thus strongly encouraged to consider consultation, collaboration and/or co-authorship with the Data Set Creator.
<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>