

# Metadata

<b>Dataset Name</b>	IPY-CFL Ice Beacon Data
<b>Dataset General Type</b>	ice beacon data
<b>Dataset Type</b>	Dataset
<b>Dataset Level</b>	1.2
<b>Program Website</b>	<a href="https://umanitoba.ca/ceos/research/cfl.html">https://umanitoba.ca/ceos/research/cfl.html</a>
<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/fr/group/cryosphere">https://canwin-datahub.ad.umanitoba.ca/data/fr/group/cryosphere</a>
<b>Title</b>	Marine
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/fr/group/marine">https://canwin-datahub.ad.umanitoba.ca/data/fr/group/marine</a>
<b>Dataset Status</b>	Complete
<b>Maintenance and Update Frequency</b>	Not planned
<b>Dataset Last Revision Date</b>	2021-04-22
<b>Dataset DOI</b>	10.34992/q4q2-gm68
<b>Metadata Creation Date</b>	2022
<b>Publisher</b>	CanWIN
<b>Dataset Authors</b>	
<b>Dataset Authors 1</b>	
<b>Name</b>	Barber, David
<b>Type of Name</b>	Personal
<b>Email</b>	<a href="mailto:David.Barber@umanitoba.ca">David.Barber@umanitoba.ca</a>
<b>Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
<b>ORCID ID</b>	0000-0001-9466-3291
	ORCID
	<a href="http://orcid.org/">http://orcid.org/</a>
<b>Dataset Authors 2</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>	

**Dataset  
Authors 3**

**Name** Lukovich, Jennifer  
**Type of Name** Personal  
**Email** [Jennifer.Lukovich@umanitoba.ca](mailto:Jennifer.Lukovich@umanitoba.ca)  
**Affiliation** Centre for Earth Observation Science - University of Manitoba  
**ORCID ID**

**Contributors**

**Project Data  
Curator** Babb, David

**Project Data  
Curator  
email** [David.Babb@umanitoba.ca](mailto:David.Babb@umanitoba.ca)

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

**Dataset  
Collection  
Start Date** 2007-11-19

**Dataset  
Collection  
End Date** 2008-05-22

**Sample  
Collection**

**Sample  
Collection 1**

**Sampling  
Instrument  
Name**  
**Standardized  
Sampling  
Instrument  
Name**  
**Sample  
Collection  
Method Name**  
**Comment**  
**Method Link**  
**Method  
Summary**  
**Method  
Description  
Type**

**Activity  
Collection  
Type**

**Preferred  
citation**

**Analytical  
Instrument**

**Analytical  
Instrument 1**

**Analytical  
Instrument  
Name**  
**Standardized  
Analytical  
Instrument  
Name**  
**Analytical  
Instrument  
Identifier Id**

<b>Analytical Instrument Title Type</b>	Alternative Title
<b>Analytical Instrument Identifier Type</b>	
<b>Analytical Method</b>	
<b>License Name</b>	Creative Commons Attribution 4.0 International
<b>Licence Type</b>	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, however most are licensed under the Creative Commons Attribution 4.0 International (CC BY 4.0) Public License. Details for the licence applied can be found using the Licence URL link provided with each dataset. By using data and information provided on this site you accept the terms and conditions of the License. Unless otherwise specified, the license grants the rights to the public to use and share the data and results derived therefrom as long as the proper acknowledgment is given to the data licensor (citation), that any alteration to the data is clearly indicated, and that a link to the original data and the license is made available.
<b>Terms of Use</b>	By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).
<b>Awards</b>	
<b>Related Resources</b>	
<b>Publications</b>	
<b>Publications 1</b>	
<b>Publication Name</b>	Lukovich, J. V., Babb, D. G., and Barber, D. G. (2011), On the scaling laws derived from ice beacon trajectories in the southern Beaufort Sea during the International Polar Year - Circumpolar Flaw Lead study, 2007–2008, J. Geophys. Res., 116, C00G07, doi:10.1029/2011JC007049.
<b>Identifier Code</b>	10.1029/2011JC007049
<b>Identifier Type</b>	DOI
<b>Relationship to this dataset</b>	IsSupplementedBy
<b>Resource Type</b>	Online Resource
<b>Publication Type</b>	JournalArticle
<b>Publications 2</b>	
<b>Publication Name</b>	Lukovich, J. & Bélanger, C. & Barber, D. & Gratton, Yves. (2014). On coherent ice drift features in the southern Beaufort sea. Deep Sea Research Part I: Oceanographic Research Papers. 92. 10.1016/j.dsr.2014.05.013.
<b>Identifier Code</b>	10.1016/j.dsr.2014.05.013
<b>Identifier Type</b>	DOI
<b>Relationship to this dataset</b>	IsSupplementedBy
<b>Resource Type</b>	Online Resource
<b>Publication Type</b>	JournalArticle
<b>Publications 3</b>	
<b>Publication Name</b>	On sea ice dynamical regimes in the Arctic Ocean
<b>Identifier Code</b>	10.3189/2015AoG69A606
<b>Identifier Type</b>	DOI
<b>Relationship to this dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Publication Type</b>	
<b>Publications 4</b>	
<b>Publication Name</b>	On the scaling laws derived from ice beacon trajectories in the southern Beaufort Sea during the International Polar Year - Circumpolar Flaw Lead study, 2007–2008
<b>Identifier Code</b>	10.1029/2011JC007049
<b>Identifier Type</b>	DOI

<b>Relationship to this dataset</b>	Describes
<b>Resource Type</b>	Online Resource
<b>Publication Type</b>	
<b>Spatial regions</b>	beaufort-sea
<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/IPY_CFL_IceBeacon_1077_840c_8814.csv?project_name%2Cplatform_name%2Ctime%2Ctime_hh24miss%2Cbeacon_ID%2Clatitude%2Clongitude%2Caltitude_m%2Caltitude_result_value_type%2Cspeed_m_s%2Cspeed_u">https://CanWINerddap.ad.umanitoba.ca/erddap/tabledap/IPY_CFL_IceBeacon_1077_840c_8814.csv?project_name%2Cplatform_name%2Ctime%2Ctime_hh24miss%2Cbeacon_ID%2Clatitude%2Clongitude%2Caltitude_m%2Caltitude_result_value_type%2Cspeed_m_s%2Cspeed_u</a>
<b>Name</b>	Ice Beacon Data (IPY-CFL)
<b>Description</b>	Ice beacons deployed in Franklin Bay from November 2007 to May 2008.
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/23a89674-2737-41c0-b2bc-0cad1988e43/download/supplemental">https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/23a89674-2737-41c0-b2bc-0cad1988e43/download/supplemental</a>
<b>Name</b>	Supplemental Metadata
<b>Description</b>	Additional Metadata for IPY-CFL ice beacon series. File includes information on the stations and their locations, the time periods for the different ice beacons, description of the
<b>Format</b>	PDF
<b>Resource Category</b>	documents
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/e7f97815-0e48-4e02-8625-bccf58a50bb9/download/speed_calcul">https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/e7f97815-0e48-4e02-8625-bccf58a50bb9/download/speed_calcul</a>
<b>Name</b>	Script for processing Ice Beacon data
<b>Description</b>	Scripts for calculating speed for ice beacon data. Zipped file contains python script and codebook.
<b>Format</b>	ZIP
<b>Resource Category</b>	scripts
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/3dcf779e-e189-47bd-8493-bffcb653b062/download/ice-beacon-co">https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/3dcf779e-e189-47bd-8493-bffcb653b062/download/ice-beacon-co</a>
<b>Name</b>	Ice Beacon Codebook
<b>Description</b>	Codebook outlining the speed calculator python script for processing ice beacon data.
<b>Format</b>	PDF
<b>Resource Category</b>	documents
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/9b6fdc9d-f11b-4f4e-ac0e-ad05c2d7b45b/download/icebeacon_coc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/9b6fdc9d-f11b-4f4e-ac0e-ad05c2d7b45b/download/icebeacon_coc</a>
<b>Name</b>	Ice Beacon Cookbook
<b>Description</b>	Cookbook describes the analytical steps in processing the ice beacon data.
<b>Format</b>	PDF
<b>Resource Category</b>	documents

## Deployment details

<b>Title</b>	IPY-CFL Leg 9
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/fr/deployment_details/ipy-cfl-leg-9">https://canwin-datahub.ad.umanitoba.ca/data/fr/deployment_details/ipy-cfl-leg-9</a>