

Metadata

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

**Dataset
Authors 3**

Name Lukovich, Jennifer
Type of Name Personal
Email 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

**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**

Analytical Instrument Title Type	Alternative Title
Analytical Instrument Identifier Type	
Analytical Method	
License Name	Creative Commons Attribution 4.0 International
Licence Type	Open
Embargo Date	
Licence URL	https://spdx.org/licenses
Terms of Access	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.
Terms of Use	By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).
Awards	
Related Resources	
Publications	
Publications 1	
Publication Name	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.
Identifier Code	10.1029/2011JC007049
Identifier Type	DOI
Relationship to this dataset	IsSupplementedBy
Resource Type	Online Resource
Publication Type	JournalArticle
Publications 2	
Publication Name	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.
Identifier Code	10.1016/j.dsr.2014.05.013
Identifier Type	DOI
Relationship to this dataset	IsSupplementedBy
Resource Type	Online Resource
Publication Type	JournalArticle
Publications 3	
Publication Name	On sea ice dynamical regimes in the Arctic Ocean
Identifier Code	10.3189/2015AoG69A606
Identifier Type	DOI
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	
Publications 4	
Publication Name	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
Identifier Code	10.1029/2011JC007049
Identifier Type	DOI

Relationship to this dataset	Describes
Resource Type	Online Resource
Publication Type	
Spatial regions	beaufort-sea
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://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_r
Name	Ice Beacon Data (IPY-CFL)
Description	Ice beacons deployed in Franklin Bay from November 2007 to May 2008.
Format	CSV
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/23a89674-2737-41c0-b2bc-0cad1988e43/download/supplemental
Name	Supplemental Metadata
Description	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
Format	PDF
Resource Category	documents
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/e7f97815-0e48-4e02-8625-bccf58a50bb9/download/speed_calcul
Name	Script for processing Ice Beacon data
Description	Scripts for calculating speed for ice beacon data. Zipped file contains python script and codebook.
Format	ZIP
Resource Category	scripts
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/3dcf779e-e189-47bd-8493-bffcb653b062/download/ice-beacon-co
Name	Ice Beacon Codebook
Description	Codebook outlining the speed calculator python script for processing ice beacon data.
Format	PDF
Resource Category	documents
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/89cfe1e4-59d7-4895-a407-75fe5125d583/resource/9b6fdc9d-f11b-4f4e-ac0e-ad05c2d7b45b/download/icebeacon_coc
Name	Ice Beacon Cookbook
Description	Cookbook describes the analytical steps in processing the ice beacon data.
Format	PDF
Resource Category	documents

Deployment details

Title	IPY-CFL Leg 9
URL	https://canwin-datahub.ad.umanitoba.ca/data/deployment_details/ipy-cfl-leg-9