

Metadata

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|---|---|
| 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 | |
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**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 |
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| 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 |

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|--|-----------------|
| 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_mph |
| 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_metadata.pdf |
| 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_calculator.zip |
| 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-codebook.pdf |
| 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/9b6f9d9d-f11b-4f4e-ac0e-ad05c2d7b45b/download/icebeacon_cookbook.pdf |
| Name | Ice Beacon Cookbook |
| Description | Cookbook describes the analytical steps in processing the ice beacon data. |
| Format | PDF |
| Resource Category | documents |

Deployment details

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