

Metadata

Dataset Name	Arctic Sea Ice Phenology in CMIP6
Dataset General Type	Sea ice model data
Dataset Type	Dataset
Dataset Level	2
Program Website	
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
Dataset Status	Complete
Maintenance and Update Frequency	As needed
Dataset Last Revision Date	2023-01-24
Dataset DOI	10.34992/cgzt-5n02
Metadata Creation Date	2023
Publisher	CanWIN
Dataset Authors	

**Dataset
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Type of Name Personal

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**Dataset
Collection
Start Date**

1850-01-01

**Dataset
Collection
End Date**

2100-01-01

**Sample
Collection****Sample
Collection 1**

**Sampling
Instrument
Name**

**Standardized
Sampling
Instrument
Name**

**Sample
Collection
Method Name**

Comment

Method Link

**Method
Summary**

**Method
Description
Type** Methods

**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**

**Analytical
Method 1**

**Analytical
Method Name**

Method Link

**Method
Summary**

Laboratory

Comments

**Variables
Measured**

**License
Name** Creative Commons Attribution 4.0 International

**Licence
Type** Open

**Embargo
Date**

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Awards

Awards 1

Award Title Canada-150 Research Chair Program: Climate-Sea Ice Coupling

Website

Funder Name Canada 150 Research Chairs, Government of Canada

**Funder
Identifier Code**

**Funder
Identifier Type**

**Funder
Identifier
Scheme**

Grant Number

**Related
Resources**

Related Resources 1

Related Resource Name	Sea Ice Phenology Code
Resource Code	10.5281/zenodo.4730450
Identifier Type	DOI
Relationship To This Dataset	Compiles
Resource Type	Online Resource
Type	Software
Series Name	

Related Resources 2

Related Resource Name	Coupled Model Intercomparison Project Phase 6 (CMIP6)
Resource Code	10.5194/gmd-9-1937-2016
Identifier Type	DOI
Relationship To This Dataset	IsRequiredBy
Resource Type	Online Resource
Type	Dataset
Series Name	

Publications

Publications 1

Publication Name	Arctic open-water periods are projected to lengthen dramatically by 2100
Identifier Code	10.1038/s43247-021-00183-x
Identifier Type	DOI
Relationship to this dataset	IsSupplementedBy
Resource Type	Online Resource
Publication Type	JournalArticle

Spatial regions

**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/files/Alex_Crawford_sea_ice_model_a97c_4efd_e7b6/
Name	Arctic Sea Ice Phenology in CMIP6
Description	Daily sea ice concentration from CMIP6 models that were run under four experiments: historical, ssp126, ssp245, and ssp585. Click on any file to download.
Format	
Resource Category	data

Related Publications

Title	Arctic open-water periods are projected to lengthen dramatically by 2100
URL	https://canwin-datahub.ad.umanitoba.ca/data/publication/arctic-open-water-periods-are-projected-to-lengthen-dramatically-by-2100