

# Metadata

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

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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  
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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**

**Licence URL** <https://spdx.org/licenses>

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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

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

## Related Resources 2

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

## Publications

### Publications 1

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

<b>URL</b>	<a href="https://canwinerddap.ad.umanitoba.ca/erddap/files/Alex_Crawford_sea_ice_model_a97c_4efd_e7b6/">https://canwinerddap.ad.umanitoba.ca/erddap/files/Alex_Crawford_sea_ice_model_a97c_4efd_e7b6/</a>
<b>Name</b>	Arctic Sea Ice Phenology in CMIP6
<b>Description</b>	Daily sea ice concentration from CMIP6 models that were run under four experiments: historical, ssp126, ssp245, and ssp585. Click on any file to download.
<b>Format</b>	
<b>Resource Category</b>	data

## Related Publications

<b>Title</b>	Arctic open-water periods are projected to lengthen dramatically by 2100
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/arctic-open-water-periods-are-projected-to-lengthen-dramatically-by-2100">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/arctic-open-water-periods-are-projected-to-lengthen-dramatically-by-2100</a>