

# 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/group/cryosphere">https://canwin-datahub.ad.umanitoba.ca/data/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>	

**Dataset  
Authors 1**

**Name** Crawford, Alex

**Type of Name** Personal

**Email** [alex.crawford@umanitoba.ca](mailto:alex.crawford@umanitoba.ca)

**Affiliation** Centre for Earth Observation Science - University of Manitoba

**ORCID ID** 0000-0003-1561-290X

ORCID  
<http://orcid.org/>

**Contributors****Contributors 1**

**Name** Stroeve, Julienne

**Role** ProjectLeader

**Email** [juienne.stroeve@umanitoba.ca](mailto:juienne.stroeve@umanitoba.ca)

**Affiliation** Centre for Earth Observation Science - University of Manitoba

**ORCID ID** 0000-0001-7316-8320

ORCID  
<http://orcid.org/>

**Project Data  
Curator**

Crawford, Alex

**Project Data  
Curator  
email**

[alex.crawford@umanitoba.ca](mailto:alex.crawford@umanitoba.ca)

**Project Data  
Curator  
Affiliation**

Centre for Earth Observation Science - University of Manitoba

**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**

**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

### 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/publication/arctic-open-water-periods-are-projected-to-lengthen-dramatically-by-2100">https://canwin-datahub.ad.umanitoba.ca/data/publication/arctic-open-water-periods-are-projected-to-lengthen-dramatically-by-2100</a>