Metadata

Field	Value
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

Field	Value
Metadata Creation Date	2026
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	
Name	Crawford, Alex
Type of Name	Personal
Email	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

Field	Value
Email	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
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	

Field	Value
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	

Field	Value
Licence Name or Copyright Statement	Creative Commons Attribution 4.0 International
Copyright Statement	
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	

Field	Value
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

Field	Value
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	

Field	Value
Spatial extent East Bound Longitude	
Spatial extent South Bound Latitude	
Spatial extent North Bound Latitude	

Data and Resources

Field	Value
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

Field	Value
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