

Metadata

Field	Value
Dataset Name	Northern Hemisphere Extratropical Cyclone Tracks in CMIP6
Dataset General Type	cyclone tracks
Dataset Type	Dataset
Dataset Level	1.1
Program Website	https://umanitoba.ca/earth-observation-science/climate-investigations-canadian-arctic-storm-systems
Keyword Vocabulary	Polar Data Catalogue
Keyword Vocabulary URL	https://www.polardata.ca/pdcinput/public/keywordlibrary
Theme	
Dataset Status	Complete
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2025-09-26
Dataset DOI	10.34992/60Y2-D667

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	
Role	
Email	
Affiliation	

Field	Value
ORCID ID	
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	1950-01-01
Dataset Collection End Date	2100-12-31
Sample Collection	
Activity Collection Type	
Preferred citation	
Analytical Instrument	
Analytical Method	
Licence Name or Copyright Statement	Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International
Copyright Statement	
Licence Type	Open
Embargo Date	

Field	Value
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	
Website	
Funder Name	
Funder Identifier Code	
Funder Identifier Type	
Funder Identifier Scheme	
Grant Number	
Related Resources	
Related Resources 1	

Field	Value
Related Resource Name	Mean Pressure at Sea-level from ERA-5
Resource Code	10.24381/cds.adbb2d47
Identifier Type	DOI
Relationship To This Dataset	IsRequiredBy
Resource Type	Online Resource
Type	Model
Series Name	
Related Resources 2	
Related Resource Name	Mean Pressure at Sea-Level from CMIP6
Resource Code	https://wcrp-cmip.org/cmip-data-access/
Identifier Type	URL
Relationship To This Dataset	IsRequiredBy
Resource Type	Online Resource
Type	
Series Name	
Publications	

Field	Value
Publications 1	
Publication Name	
Identifier Code	
Identifier Type	
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	
Spatial regions	northern-hemisphere
Spatial extent West Bound Longitude	
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/Cyclone_tracks_CMIP6_cdc8_7f93_c4b1/
Name	Cyclone tracks CMIP6

Field	Value
Description	Collections of CSV files describing the extratropical cyclones detected in various CMIP6 model simulations, all run at a 100-km and 6-h resolution. The entire set of cyclone tracks for each model simulation is stored in a single, large zipped folder and then organized by experiment. Additionally, a zipped folder with a comparable ERA5-derived dataset (CNECT_ERA5_NH_100km_6h_1950-2014.zip) with the same spatial and temporal resolution is included for the period 1950-2014, matching the historical experiment data from CMIP6.
Format	ZIP
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/80c22e80-9920-496d-921c-7a71d99ad98f/resource/95a75168-9baa-450a-820b-581b4193a560/download/supplemental-metadata.pdf
Name	supplemental-metadata.pdf
Description	Additional metadata, which includes variable headers, units, and descriptions, as well as an overview of the script applied.
Format	PDF
Resource Category	documents