

# Metadata

Field	Value
<b>Dataset Name</b>	Projections and Physical Drivers of Extreme Precipitation in Greenland & Baffin Bay
<b>Dataset General Type</b>	Climate model
<b>Dataset Type</b>	Dataset
<b>Dataset Level</b>	2
<b>Program Website</b>	
<b>Keyword Vocabulary</b>	
<b>Keyword Vocabulary URL</b>	
<b>Theme</b>	
<b>Title</b>	Precipitation
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/fr/group/precipitation">https://canwin-datahub.ad.umanitoba.ca/data/fr/group/precipitation</a>
<b>Dataset Status</b>	In Progress
<b>Maintenance and Update Frequency</b>	Not planned
<b>Dataset Last Revision Date</b>	2024-04-30
<b>Dataset DOI</b>	
<b>Metadata Creation Date</b>	2026

Field	Value
<b>Publisher</b>	CanWIN
<b>Dataset Authors</b>	
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<b>ORCID ID</b>	

Field

Value

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Field	Value
<b>Project Data Curator Affiliation</b>	
<b>Dataset Collection Start Date</b>	1979-01-01
<b>Dataset Collection End Date</b>	2100-01-01
<b>Sample Collection</b>	
<b>Sample Collection 1</b>	
<b>Sampling Instrument Name</b>	
<b>Standardized Sampling Instrument Name</b>	
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<b>Comment</b>	
<b>Method Link</b>	
<b>Method Summary</b>	
<b>Method Description Type</b>	Methods
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<b>Preferred citation</b>	
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<b>Standardized Analytical Instrument Name</b>	
<b>Analytical Instrument Identifier Id</b>	

Field	Value
<b>Analytical Instrument Title Type</b>	Alternative Title
<b>Analytical Instrument Identifier Type</b>	
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<b>Analytical Method Name</b>	
<b>Method Link</b>	
<b>Method Summary</b>	
<b>Laboratory</b>	
<b>Comments</b>	
<b>Variables Measured</b>	
<b>Licence Name or Copyright Statement</b>	Creative Commons Attribution 4.0 International
<b>Copyright Statement</b>	
<b>Licence Type</b>	Open
<b>Embargo Date</b>	
<b>Licence URL</b>	<a href="https://spdx.org/licenses">https://spdx.org/licenses</a>

Field	Value
<b>Terms of Access</b>	<p>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.</p>
<b>Terms of Use</b>	<p>By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).</p>
<b>Awards</b>  <b>Awards 1</b>  <b>Award Title</b>  <b>Website</b>  <b>Funder Name</b>  <b>Funder Identifier Code</b>  <b>Funder Identifier Type</b>  <b>Funder Identifier Scheme</b>  <b>Grant Number</b>	
<b>Related Resources</b>  <b>Related Resources 1</b>  <b>Related Resource Name</b>  <b>Resource Code</b>  <b>Identifier Type</b>	

Field	Value
<b>Relationship To This Dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Type</b>	
<b>Series Name</b>	
<b>Publications</b>	
<b>Publications 1</b>	
<b>Publication Name</b>	
<b>Identifier Code</b>	
<b>Identifier Type</b>	
<b>Relationship to this dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Publication Type</b>	
<b>Spatial regions</b>	greenland
<b>Spatial extent West Bound Longitude</b>	
<b>Spatial extent East Bound Longitude</b>	
<b>Spatial extent South Bound Latitude</b>	
<b>Spatial extent North Bound Latitude</b>	

# Data and Resources

Field	Value
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/d05ffeb0-3f3f-4753-bc79-c7ac0a01b130/download/readme.docx">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/d05ffeb0-3f3f-4753-bc79-c7ac0a01b130/download/readme.docx</a>
<b>Name</b>	README
<b>Description</b>	Additional metadata for files in this dataset (e.g., variable and unit explanations).
<b>Format</b>	DOCX
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/043937f6-4fa4-4c47-981a-249e81d7a306/download/regional_monthly_total_ex_precip.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/043937f6-4fa4-4c47-981a-249e81d7a306/download/regional_monthly_total_ex_precip.csv</a>
<b>Name</b>	Regional Monthly Total Extreme Precipitation
<b>Description</b>	Average monthly accumulations from extreme precipitation days in each subregion. Columns: subregion – name of subregion month – month (1-12) hist – subregion mean monthly accumulation from extreme days in VR-CESM HIST [mm] fut – subregion mean monthly accumulation from extreme days in VR-CESM FUT [mm] era – subregion mean monthly accumulation from extreme days in ERA5 [mm]
<b>Format</b>	CSV
<b>Resource Category</b>	data

Field	Value
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/1e939c7e-5b09-4c1e-a125-fee3b00e4a5e/download/subregion_mean_ex_thres.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/1e939c7e-5b09-4c1e-a125-fee3b00e4a5e/download/subregion_mean_ex_thres.csv</a>
<b>Name</b>	Subregion Mean Extreme Threshold
<b>Description</b>	Average extreme daily precipitation thresholds for each dataset for each subregion. Columns: subregion – name of subregion hist – extreme daily precipitation threshold for VR-CESM HIST [mm] fut – extreme daily precipitation threshold for VR-CESM FUT [mm] era – extreme daily precipitation threshold for ERA5 [mm]
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/3e584b5b-5b04-4656-8c7b-d9189912e0e5/download/baffin_distribution_5mm.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/3e584b5b-5b04-4656-8c7b-d9189912e0e5/download/baffin_distribution_5mm.csv</a>
<b>Name</b>	Baffin Distribution - 5 mm
<b>Description</b>	Daily precipitation distribution for Baffin Island in the domain in 5 mm accumulation bins. Columns: bin – upper value of accumulation bin [mm] hist – number of occurrences of that accumulation in VR-CESM HIST (1980-1999) fut – number of occurrences of that accumulation in VR-CESM FUT (2080-2099) era – number of occurrences of that accumulation in ERA5 (1980-1999) Note: 1 occurrence = 1 day in 1 grid cell
<b>Format</b>	CSV
<b>Resource Category</b>	data

Field	Value
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/407ac825-5706-4ae3-8fa7-2f5854782dd6/download/devon_distribution_5mm.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/407ac825-5706-4ae3-8fa7-2f5854782dd6/download/devon_distribution_5mm.csv</a>
<b>Name</b>	Devon Distribution - 5 mm
<b>Description</b>	Daily precipitation distribution for Devon Island in the domain in 5 mm accumulation bins. Columns: bin – upper value of accumulation bin [mm] hist – number of occurrences of that accumulation in VR-CESM HIST (1980-1999) fut – number of occurrences of that accumulation in VR-CESM FUT (2080-2099) era – number of occurrences of that accumulation in ERA5 (1980-1999) Note: 1 occurrence = 1 day in 1 grid cell
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/04efa958-9723-4885-a29c-7af019b1807b/download/ellesmere_distribution_5mm.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/04efa958-9723-4885-a29c-7af019b1807b/download/ellesmere_distribution_5mm.csv</a>
<b>Name</b>	Ellesmere Distribution - 5 mm
<b>Description</b>	Daily precipitation distribution for Ellesmere Island in the domain in 5 mm accumulation bins. Columns: bin – upper value of accumulation bin [mm] hist – number of occurrences of that accumulation in VR-CESM HIST (1980-1999) fut – number of occurrences of that accumulation in VR-CESM FUT (2080-2099) era – number of occurrences of that accumulation in ERA5 (1980-1999) Note: 1 occurrence = 1 day in 1 grid cell
<b>Format</b>	CSV

Field	Value
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/128b5d90-06cd-4ba8-8e64-61a4d8b27352/download/ne_distribution_5mm.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/128b5d90-06cd-4ba8-8e64-61a4d8b27352/download/ne_distribution_5mm.csv</a>
<b>Name</b>	Northeast Greenland Distribution - 5 mm
<b>Description</b>	Daily precipitation distribution for Northeast Greenland in 5 mm accumulation bins. Columns: bin – upper value of accumulation bin [mm] hist – number of occurrences of that accumulation in VR-CESM HIST (1980-1999) fut – number of occurrences of that accumulation in VR-CESM FUT (2080-2099) era – number of occurrences of that accumulation in ERA5 (1980-1999) Note: 1 occurrence = 1 day in 1 grid cell
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/a253793e-976c-4bd7-a20e-6c5996efc9b6/download/no_distribution_5mm.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/a253793e-976c-4bd7-a20e-6c5996efc9b6/download/no_distribution_5mm.csv</a>
<b>Name</b>	North Greenland Distribution - 5 mm
<b>Description</b>	Daily precipitation distribution for North Greenland in 5 mm accumulation bins. Columns: bin – upper value of accumulation bin [mm] hist – number of occurrences of that accumulation in VR-CESM HIST (1980-1999) fut – number of occurrences of that accumulation in VR-CESM FUT (2080-2099) era – number of occurrences of that accumulation in ERA5 (1980-1999) Note: 1 occurrence = 1 day in 1 grid cell

Field	Value
<b>Format</b>	CSV
<b>Resource Category</b>	data
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<b>Name</b>	Northwest Greenland Distribution - 5 mm
<b>Description</b>	Daily precipitation distribution for Northwest Greenland in 5 mm accumulation bins. Columns: bin – upper value of accumulation bin [mm] hist – number of occurrences of that accumulation in VR-CESM HIST (1980-1999) fut – number of occurrences of that accumulation in VR-CESM FUT (2080-2099) era – number of occurrences of that accumulation in ERA5 (1980-1999) Note: 1 occurrence = 1 day in 1 grid cell
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/392340a8-3b13-405e-8224-92f47b132bf4/download/cw_distribution_5mm.csv">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/392340a8-3b13-405e-8224-92f47b132bf4/download/cw_distribution_5mm.csv</a>
<b>Name</b>	Central West Greenland Distribution - 5 mm

Field	Value
<b>Description</b>	Daily precipitation distribution for Central West Greenland in 5 mm accumulation bins. Columns: bin – upper value of accumulation bin [mm] hist – number of occurrences of that accumulation in VR-CESM HIST (1980-1999) fut – number of occurrences of that accumulation in VR-CESM FUT (2080-2099) era – number of occurrences of that accumulation in ERA5 (1980-1999) Note: 1 occurrence = 1 day in 1 grid cell
<b>Format</b>	CSV
<b>Resource Category</b>	data
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<b>Name</b>	Southeast Greenland Distribution - 5 mm
<b>Description</b>	Daily precipitation distribution for Southeast Greenland in 5 mm accumulation bins. Columns: bin – upper value of accumulation bin [mm] hist – number of occurrences of that accumulation in VR-CESM HIST (1980-1999) fut – number of occurrences of that accumulation in VR-CESM FUT (2080-2099) era – number of occurrences of that accumulation in ERA5 (1980-1999) Note: 1 occurrence = 1 day in 1 grid cell
<b>Format</b>	CSV
<b>Resource Category</b>	data
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Field	Value
<b>Name</b>	Southwest Greenland Distribution - 5 mm
<b>Description</b>	Daily precipitation distribution for Southwest Greenland in 5 mm accumulation bins. Columns: bin – upper value of accumulation bin [mm] hist – number of occurrences of that accumulation in VR-CESM HIST (1980-1999) fut – number of occurrences of that accumulation in VR-CESM FUT (2080-2099) era – number of occurrences of that accumulation in ERA5 (1980-1999) Note: 1 occurrence = 1 day in 1 grid cell
<b>Format</b>	CSV
<b>Resource Category</b>	data
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<b>Name</b>	Historical Annual Precipitation Values - ERA5
<b>Description</b>	Historical precipitation summary from ERA5. Variables: ann_precip: mean annual precipitation [mm] ex_thres: extreme daily precipitation threshold [mm] ex_precip: mean annual accumulation from extreme precipitation days [mm]
<b>Format</b>	NetCDF
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/f91f5e50-8513-4a15-b7ad-4a653080c752/download/historical_cesm2.2_annual_values.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/f91f5e50-8513-4a15-b7ad-4a653080c752/download/historical_cesm2.2_annual_values.nc</a>

Field	Value
<b>Name</b>	Historical Annual Precipitation Values - CESM2.2
<b>Description</b>	Historical precipitation summary from CESM2.2. Variables: ann_precip: mean annual precipitation [mm] ex_thres: extreme daily precipitation threshold [mm]
<b>Format</b>	NetCDF
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/aa657756-48a6-47df-93c8-f6f42ecf340b/download/historical_vrcesm_annual_values.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/aa657756-48a6-47df-93c8-f6f42ecf340b/download/historical_vrcesm_annual_values.nc</a>
<b>Name</b>	Historical Annual Precipitation Values - VR-CESM HIST
<b>Description</b>	Historical precipitation summary from VR-CESM HIST. Variables: ann_precip: mean annual precipitation [mm] ex_thres: extreme daily precipitation threshold [mm] ex_precip: mean annual accumulation from extreme precipitation days [mm]
<b>Format</b>	NetCDF
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/5898698b-51ea-463f-b4e6-e442dd8c151c/download/annual_cyclone_track_density.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/5898698b-51ea-463f-b4e6-e442dd8c151c/download/annual_cyclone_track_density.nc</a>
<b>Name</b>	Annual Cyclone Track Density

Field	Value
<b>Description</b>	Average annual cyclone track densities for ERA5 and VR-CESM simulations. Variables: hist_trkdens: average annual track density in VR-CESM HIST [Tracks per 40,000 km2] fut_trkdens: average annual track density in VR-CESM FUT [Tracks per 40,000 km2] era_trkdens: average annual track density in ERA5 [Tracks per 40,000 km2]
<b>Format</b>	NetCDF
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/ac39363c-22b1-4671-9166-52c0cab80b52/download/annual_ar_days.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/ac39363c-22b1-4671-9166-52c0cab80b52/download/annual_ar_days.nc</a>
<b>Name</b>	Annual Atmospheric River Days
<b>Description</b>	Average annual number of days each grid cell is impacted by an AR for ERA5 and VR-CESM simulations. Variables: hist_ar_days: average annual number of AR days in VR-CESM HIST [days/year] fut_ar_days: average annual number of AR days in VR-CESM FUT [days/year] era_ar_days: average annual number of AR days in ERA5 [days/year]
<b>Format</b>	NetCDF
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/7598c824-c749-4140-a9b8-e1990887c7b5/download/annual_ex_day_associations.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/7598c824-c749-4140-a9b8-e1990887c7b5/download/annual_ex_day_associations.nc</a>
<b>Name</b>	Annual Extreme Precipitation Association with Cyclones and Atmospheric Rivers

Field	Value
<b>Description</b>	Percent of all annual extreme precipitation days in each grid cell occurring with a cyclone and/or an AR present in the same grid cell for ERA5 and VR-CESM simulations. Variables: hist_ex_cap: percent of all extreme precipitation days in VR-CESM HIST occurring with a cyclone present (i.e., cyclone-associated precipitation (CAP)) [%] hist_ex_ar_cap: percent of all extreme precipitation days in VR-CESM HIST occurring with both a cyclone and an AR present [%] hist_ex_ar: percent of all extreme precipitation days in VR-CESM HIST occurring with an AR present [%] fut_ex_cap: percent of all extreme precipitation days in VR-CESM FUT occurring with a cyclone present (i.e., cyclone-associated precipitation (CAP)) [%] fut_ex_ar_cap: percent of all extreme precipitation days in VR-CESM FUT occurring with both a cyclone and an AR present [%] fut_ex_ar: percent of all extreme precipitation days in VR-CESM FUT occurring with an AR present [%]
<b>Format</b>	NetCDF
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/222e5af4-93c6-46a1-a938-5575a0b3d425/download/seasonal_cyclone_track_density_jfm.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/222e5af4-93c6-46a1-a938-5575a0b3d425/download/seasonal_cyclone_track_density_jfm.nc</a>
<b>Name</b>	Winter (JFM) Cyclone Track Density
<b>Description</b>	Average seasonal cyclone track densities for JFM (winter) for ERA5 and VR-CESM simulations. Variables: hist_trkdens: average seasonal track density in VR-CESM HIST [Tracks per 40,000 km <sup>2</sup> ] fut_trkdens: average seasonal track density in VR-CESM FUT [Tracks per 40,000 km <sup>2</sup> ] era_trkdens: average seasonal track density in ERA5 [Tracks per 40,000 km <sup>2</sup> ]
<b>Format</b>	NetCDF

Field	Value
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/e2fcd9a2-04ab-4ebb-9861-d6246e2ea132/download/seasonal_cyclone_track_density_jas.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/e2fcd9a2-04ab-4ebb-9861-d6246e2ea132/download/seasonal_cyclone_track_density_jas.nc</a>
<b>Name</b>	Summer (JAS) Cyclone Track Density
<b>Description</b>	Average seasonal cyclone track densities for JAS (summer) for ERA5 and VR-CESM simulations. Variables: hist_trkdens: average seasonal track density in VR-CESM HIST [Tracks per 40,000 km2] fut_trkdens: average seasonal track density in VR-CESM FUT [Tracks per 40,000 km2] era_trkdens: average seasonal track density in ERA5 [Tracks per 40,000 km2]
<b>Format</b>	NetCDF
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/9431a6d8-785c-4c33-a70e-00f76e9c477c/download/seasonal_ar_days_jfm.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/9431a6d8-785c-4c33-a70e-00f76e9c477c/download/seasonal_ar_days_jfm.nc</a>
<b>Name</b>	Winter (JFM) Atmospheric River Days
<b>Description</b>	Average seasonal number of days each grid cell is impacted by an AR for JFM (winter) for ERA5 and VR-CESM simulations. Variables: hist_ar_days: average seasonal number of AR days in VR-CESM HIST [days/year] fut_ar_days: average seasonal number of AR days in VR-CESM FUT [days/year] era_ar_days: average seasonal number of AR days in ERA5 [days/year]
<b>Format</b>	NetCDF

Field	Value
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/bbd39a4a-5697-4092-82b8-28497670c294/download/seasonal_ar_days_jas.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/bbd39a4a-5697-4092-82b8-28497670c294/download/seasonal_ar_days_jas.nc</a>
<b>Name</b>	Summer (JAS) Atmospheric River Days
<b>Description</b>	Average seasonal number of days each grid cell is impacted by an AR for JAS (summer) for ERA5 and VR-CESM simulations. Variables: hist_ar_days: average seasonal number of AR days in VR-CESM HIST [days/year] fut_ar_days: average seasonal number of AR days in VR-CESM FUT [days/year] era_ar_days: average seasonal number of AR days in ERA5 [days/year]
<b>Format</b>	NetCDF
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/ac927af2-7387-4265-8ef1-6cf10c9860b3/download/seasonal_ex_day_associations_jfm.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/ac927af2-7387-4265-8ef1-6cf10c9860b3/download/seasonal_ex_day_associations_jfm.nc</a>
<b>Name</b>	Winter (JFM) Extreme Precipitation Association with Cyclones and Atmospheric Rivers

Field	Value
<b>Description</b>	<p>Percent of all extreme precipitation days in winter (JFM) in each grid cell occurring with a cyclone and/or an AR present in the same grid cell for ERA5 and VR-CESM simulations. Variables: hist_ex_cap: percent of all seasonal extreme precipitation days in VR-CESM HIST occurring with a cyclone present (i.e., cyclone-associated precipitation (CAP)) [%] hist_ex_ar_cap: percent of all seasonal extreme precipitation days in VR-CESM HIST occurring with both a cyclone and an AR present [%] hist_ex_ar: percent of all seasonal extreme precipitation days in VR-CESM HIST occurring with an AR present [%] fut_ex_cap: percent of all seasonal extreme precipitation days in VR-CESM FUT occurring with a cyclone present (i.e., cyclone-associated precipitation (CAP)) [%] fut_ex_ar_cap: percent of all seasonal extreme precipitation days in VR-CESM FUT occurring with both a cyclone and an AR present [%] fut_ex_ar: percent of all seasonal extreme precipitation days in VR-CESM FUT occurring with an AR present [%]</p>
<b>Format</b>	NetCDF
<b>Resource Category</b>	data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/5ca63370-e37a-4f88-b441-098fd327d7ac/download/seasonal_ex_day_associations_jas.nc">https://canwin-datahub.ad.umanitoba.ca/data/dataset/e31ea507-a9b1-4d22-a685-a55e696fd249/resource/5ca63370-e37a-4f88-b441-098fd327d7ac/download/seasonal_ex_day_associations_jas.nc</a>
<b>Name</b>	Summer (JAS) Extreme Precipitation Association with Cyclones and Atmospheric Rivers

Field	Value
<b>Description</b>	<p>Percent of all extreme precipitation days in summer (JAS) in each grid cell occurring with a cyclone and/or an AR present in the same grid cell for ERA5 and VR-CESM simulations. Variables: hist_ex_cap: percent of all seasonal extreme precipitation days in VR-CESM HIST occurring with a cyclone present (i.e., cyclone-associated precipitation (CAP)) [%] hist_ex_ar_cap: percent of all seasonal extreme precipitation days in VR-CESM HIST occurring with both a cyclone and an AR present [%] hist_ex_ar: percent of all seasonal extreme precipitation days in VR-CESM HIST occurring with an AR present [%] fut_ex_cap: percent of all seasonal extreme precipitation days in VR-CESM FUT occurring with a cyclone present (i.e., cyclone-associated precipitation (CAP)) [%] fut_ex_ar_cap: percent of all seasonal extreme precipitation days in VR-CESM FUT occurring with both a cyclone and an AR present [%] fut_ex_ar: percent of all seasonal extreme precipitation days in VR-CESM FUT occurring with an AR present [%]</p>
<b>Format</b>	NetCDF
<b>Resource Category</b>	data