

Metadata

Field	Value
Title	The Response of extratropical cyclone propagation in the Northern Hemisphere to global warming
	Abstract
Publication general type	journal article
Project Name	['4d4cbb98-ee92-4bb0-8765-31c68b4e96e0']
Keyword Vocabulary	
Keyword Vocabulary URL	
Theme	
Version	1.0
Publisher	Journal of Climate
Date Published	2023
DOI	10.1175/jcli-d-23-0082.1
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License Name	
Licence Type	
Licence Schema Name	
	SPDX
Licence URL	
	https://spdx.org/licenses
Awards	
Awards 1	
Funded by	
Website	
Funder Name	
Funder Identifier Code	

Field	Value
Funder Identifier Type	
Funder Identifier Scheme	
Grant Number	
Related Resources	
Related Resources 1	
Related Resource Name	
Identifier Code	
Identifier Type	
Relationship to this publication	
	Online Resource
Type	
Series Name	
Language	

Data and Resources

Field	Value
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/d44acc5d-ecab-4eab-bd8a-a4bd5669d212/resource/c376c79f-6893-414b-9c6a-1698ad264cb4/download/crawford-the-response-of-extratropical-cyclone-propagation-in-the-northern-hemisphere-to-global-.pdf
Name	The Response of extratropical cyclone propagation in the Northern Hemisphere to global warming

Field	Value
Description	<p>Extratropical storms are common sources of natural hazards like heavy rain and high winds. In our analysis of projections from 18 climate models, we find that winter storms tend to move more slowly over midlatitude North America and the Arctic as the world warms but move faster over the North Pacific Ocean and part of Europe. Slight slowing of summer storms is projected throughout much of the midlatitudes. When storms move slower, their attendant hazards (like heavy precipitation) last longer for the areas they impact. Further, Atlantic winter storms travel more west to east instead of southwest to northeast, so they impact Iceland less often and the British Isles more often. Changes become more dramatic with each additional degree of global warming.</p>
Format	PDF
Resource Category	documents

Related Datasets

Field	Value
Title	Northern Hemisphere Extratropical Cyclone Tracks from ERA-5
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/nsidc-extratropical-cyclone-tracking-cnect