Metadata

Dataset Name	Cloud water chemical composition and photoreduction experiment - 2019
Dataset General Type	cloud water data
Dataset Type	Dataset
Dataset Level	1.0
Program Website	
Keyword Vocabulary	Polar Data Catalogue
Keyword Vocabulary URL	https://www.polardata.ca/pdcinput/public/keywordlibrary
Theme	
Title	Atmosphere
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/modelling
Dataset Status	Complete
Maintenance and Update Frequency	As needed
Dataset Last Revision Date	2023-03-10
Dataset DOI	10.34992/6KJZ-5H61
Metadata Creation Date	2023
Publisher	CanWIN

Dataset Authors

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Contributors

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Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
Dataset Collection Start Date	2019-08-28
Dataset Collection End Date	2019-09-13

Sample Collection

Sample Collection 1

Sampling Instrument Name	Standard fog collector
Standardized Sampling Instrument Name	
Sample Collection Method Name	Fog collection
Comment	
Method Link	
Method Summary	The fog collector collects passively deposited cloud water samples for experiments and analysis.
Method Description Type	Methods

Activity Collection Type

Field Measurement

Preferred citation

Analytical Instrument

Analytical Instrument 1

Analytical Instrument Name: Tekran 2600 mercury analyzer

Standardized Analytical Instrument Name:

Analytical Instrument Identifier Id:

Analytical Instrument Title Type: Alternative Title

Analytical Instrument Identifier Type:

Analytical Instrument 2

Analytical Instrument Name: Tekran 2537B mercury analyzer

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	US EPA 1631
Method Link	https://www.epa.gov/sites/default/files/2015-08/documents/method_1631e_2002.pdf
Method Summary	This method measures total and dissolved mercury in water samples.
Laboratory	Ultra-Clean Trace Elements Laboratory (UCTEL), University of Manitoba
Comments	
Variables Measured	

Analytical Method 2

Analytical Method Name	Mercury analysis with Tekran 2537B mercury analyzer
Method Link	
Method Summary	This Tekran 2537B mercury analyzer detects gaseous elemental mercury in the gas stream and is used for measuring elemental mercury produced from the photoreduction experiment.
Laboratory	Ultra-Clean Trace Elements Laboratory (UCTEL), University of Manitoba
Comments	
Variables Measured	

License Name

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Licence Type

Open

Embargo Date

Licence URL

https://spdx.org/licenses

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Awards

Awards 1

Award Title	Disocery Grant (Cryoreactions and Arctic marine cryospheric chemistry)
Website	https://www.nserc-crsng.gc.ca/index_eng.asp
Funder Name	Natural Sciences and Engineering Council of Canada
Funder Identifier Code	
Funder Identifier Type	
Funder Identifier Scheme	
Grant Number	RGPIN202204136

Awards 2

Award Title	Canada Research Chair in Arctic Environmental Chemistry
Website	https://www.chairs-chaires.gc.ca/home-accueil-eng.aspx
Funder Name	Canada Research Chairs Program
Funder Identifier Code	
Funder Identifier Type	
Funder Identifier Scheme	
Grant Number	950231031

Awards 3

Award Title	University of Manitoba Graduate Fellowship
Website	
Funder Name	University of Manitoba
Funder Identifier Code	
Funder Identifier Type	
Funder Identifier Scheme	
Grant Number	

Related Resources

Related Resources 1

Related Resource Name	
Resource Code	
Identifier Type	
Relationship To This Dataset	
Resource Type	Online Resource
Type	
Series Name	

Publications

Publications 1

Publication Name	
Identifier Code	
Identifier Type	
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	

Spatial regions

spain

Spatial extent West Bound Longitude

Spatial extent East Bound Longitude

Spatial extent South Bound Latitude

Spatial extent North Bound Latitude	

Data and Resources

URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/b0c65e9c-0b3d-45df-8212-ab559cfe4900/resource/05888d93-dbd5-406b-a179-4919fcd0b69b/download/gao_cloudwater-dataset-for-canwin.xlsx
Name	Cloudwater composition
Description	Cloud water samples collected from Canary Islands, Spain 2019
Format	XLSX
Resource Category	data