

# Metadata

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

## Dataset Authors

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### Dataset Authors 2

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**ORCID ID**

### Dataset Authors 3

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**Type of Name** Personal

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## Contributors

### Contributors 1

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Curator  
Affiliation**

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**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](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** Creative Commons Attribution 4.0 International

**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](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-chaieres.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

<b>URL</b>	<a href="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">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</a>
<b>Name</b>	Cloudwater composition
<b>Description</b>	Cloud water samples collected from Canary Islands, Spain 2019
<b>Format</b>	XLSX
<b>Resource Category</b>	data