

# Metadata

Dataset Name	AVOS M/V NAMA0
Dataset General Type	AVOS
Dataset Type	Dataset
Program Website	<a href="https://www.lakewinnipegresearch.org/ship-tracking/">https://www.lakewinnipegresearch.org/ship-tracking/</a>
Keywords	Air temperature,Barometric pressure,Freshwaters,Geospatial data,Meteorological,Relative humidity,Remote sensing data,Water temperature,Wind direction,Wind speed
Keyword Vocabulary	Polar Data Catalogue
Keyword Vocabulary URL	<a href="https://www.polardata.ca/pdcinput/public/keywordlibrary">https://www.polardata.ca/pdcinput/public/keywordlibrary</a>
Theme	
Title	Atmosphere
URL	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/group/modelling">https://canwin-datahub.ad.umanitoba.ca/data/en/group/modelling</a>
Title	Freshwater
URL	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/group/freshwater">https://canwin-datahub.ad.umanitoba.ca/data/en/group/freshwater</a>
Dataset Status	Complete
Maintenance and Update Frequency	Annually
Dataset Last Revision Date	2022-04-05
Dataset DOI	
Metadata Creation Date	2022
Publisher	CanWIN
Preferred citation	
Dataset Authors	
Dataset Authors 1	
Name	Meteorological Service of Canada
Type of Name	Personal
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Contributors 1	
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ORCID ID	
Project Data Curator	CanWIN
Project Data Curator email	<a href="mailto:portalco@umanitoba.ca">portalco@umanitoba.ca</a>

<b>Project Data</b> Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
<b>Dataset Collection Start Date</b>	2010-01-01
<b>Dataset Collection End Date</b>	2019-09-30
<b>Sample Collection</b>  Sample Collection 1  Sampling Instrument Name  Standardized Sampling Instrument Name  Sample Collection Method Name	AVOS   METEOROLOGICAL STATIONS
<b>Method Link</b>	
<b>Method Summary</b>	
<b>Preferred citation</b>	
<b>Activity Collection Type</b>	
<b>Analytical Instrument</b>	
<b>Analytical Method Name</b>	
<b>Method Link</b>	
<b>Method Summary</b>	
<b>Laboratory</b>	
<b>Comments</b>	
<b>Variables Measured</b>	latitude (dd), longitude (dd), wind speed (knots), wind direction apparent (degrees relative), wind direction corrected (degrees true), pressure (uncorrected mbar), air temperature (°C), relative humidity (%), surface temperature (°C), ship speed over ground (10minute avg in knots), pressure (corrected to sea level in mbar), ships heading (Gyro compass in degrees)
<b>License Name</b>	Open Government Licence 2.0 – Canada
<b>License Type</b>	Open
<b>Embargo Date</b>	
<b>Licence URL</b>	<a href="https://spdx.org/licenses">https://spdx.org/licenses</a>
<b>Terms of Access</b>	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.
<b>Terms of Use</b>	By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).
<b>Awards</b>	
<b>Funder Name</b>	
<b>Funder Identifier Code</b>	
<b>Funder Identifier Type</b>	
<b>Funder Identifier Scheme</b>	

Grant Number	
Related Resources	
Publications	
Spatial regions	lake-winnipeg
Spatial extent West Bound Longitude	
Spatial extent East Bound Longitude	
Spatial extent South Bound Latitude	
Spatial extent North Bound Latitude	

## Data and Resources

URL	<a href="https://CanWINerddap.ad.umanitoba.ca/erddap/tabledap/AVOS_namao_ee8d_d94d_df77.csvp?time%2Clatitude%2Clongitude%2Cwind_speed%2CReWindDirFrom%2CWindDirFrom%2Cair_pressure%2Cair_temperature%2Crelative_humidity%2CTemp%2Cplatform_speed_wrt_groun">https://CanWINerddap.ad.umanitoba.ca/erddap/tabledap/AVOS_namao_ee8d_d94d_df77.csvp?time%2Clatitude%2Clongitude%2Cwind_speed%2CReWindDirFrom%2CWindDirFrom%2Cair_pressure%2Cair_temperature%2Crelative_humidity%2CTemp%2Cplatform_speed_wrt_groun</a>
Name	AVOS M/V NAMAQ Data - 10 minute interval
Description	AVOS M/V NAMAQ 10 minute interval dataset starting from 2018.
Format	CSV
Resource Category	data
URL	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/97d3b480-a9a8-47b5-b761-6105e86950d2/resource/d98f0476-795c-45e3-bec3-05e427f702a7/download/namao-avos-data-pro">https://canwin-datahub.ad.umanitoba.ca/data/dataset/97d3b480-a9a8-47b5-b761-6105e86950d2/resource/d98f0476-795c-45e3-bec3-05e427f702a7/download/namao-avos-data-pro</a>
Name	AVOS M/V NAMAQ Data - hourly data
Description	AVOS data collected from 2010 to 2022 onboard the motor vessel (M/V) NAMAQ on Lake Winnipeg and processed to show measurements every hour.
Format	CSV
Resource Category	data

## Related Publications

Title	AVOS M/V NAMAQ Data Processing
URL	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/avos-namao-script">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/avos-namao-script</a>

## Instrument details

Title	Automatic Voluntary Observing Ship System
URL	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/instrument_details/avos-system">https://canwin-datahub.ad.umanitoba.ca/data/en/instrument_details/avos-system</a>

## Campaigns

Title	LWRC 2018 Campaign
URL	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/lwrc-2018-campaign">https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/lwrc-2018-campaign</a>