

## Metadata Input Form (\* Mandatory fields)

### Data Identification Information (Basic information about the data set)

**Please use this template and save in your files as a backup of your metadata. Simply copy/paste information onto website.**

**Click on grey rectangles to type text**

Title of data: \*(e.g. Climate data in Northern Québec)  
Ocean Surface Winds Derived from QuikSCAT

How should the data be cited: \*(As unpublished data or a journal reference)

(Maximum characters: 500, including spaces)

Study Site: \*  
<http://manati.orbit.nesdis.noaa.gov/hires/>

Purpose: \* (A summary of the intentions with which the data set was developed)  
Provide the ocean surface wind vector images surrounding the Southern Baffin Island. We downloaded and archived the images during the STAR campaign period  
(Maximum characters: 1500, including spaces)

Abstract: \* (description of methodology and data type, e.g., interviews, physical and chemical variables, imagery, recordings, maps and other spatial data, profile, etc.)  
The image of ocean surface winds at a 10m height from satellite passes were processed by NOAA/NESDIS, from near real-time data collected by NASA/JPL's SeaWinds Scatterometer aboard the QuikSCAT. For additional information about SeaWinds or QuikSCAT, please visit JPL's Scatterometer web site. The current empirically derived model function being used by to relate normalized radar cross-section with wind speed and direction is referred to as QSCAT1. The image has been divided into 30x20 degree bins for closer examination between latitudes 80N to 80S and longitudes 180W to 180E. We downloded and archived 15 bins of them that cover the Southern Baffin Island and surrounding. Each bin contains the images up to 22 hours previous from update time for both ascending and desending pass.  
(Maximum characters: 1500, including spaces)

Data Originators: \*(e.g. name of data collector(s))  
(Do not enter duplicate originators)  
John Hanesiak, University of Manitoba CEOS, Winnipeg, MB

Ron Stewart, University of Manitoba CEOS, Winnipeg, MB

Kent Morre, University of Toronto, Toronto, ON

Peter Taylor, York University, Toronto, ON

Mengistu Wolde, Flight Research Laboratory, National Research Council of Canada, Ottawa, ON

Walter Strapp, Cloud Physics and Severe Weather Division, Environment Canada, Ottawa, ON

Links to data (if available, [enter NI Email address if direct link is not yet available](#)):

Status of data: \* [Click on grey rectangle to view scroll down menu](#)  
Completed

Maintenance and update frequency: \* [Click on grey rectangle to view scroll down menu](#)  
Daily

### Geographic Coordinates (in decimal format)

#### Research Area \*

[Coordinates should be in the range of -90.0000 to 90.0000 for the latitude and -180.0000 to 180.0000 for the longitude](#)

North (latitude N): 75°  
South (latitude N): 50°  
West (longitude W): -135°  
East (longitude W): -45°

### Time Period (covered by the data set)

\* [Select entry from scroll down menu on website](#)

Start Year: \* 2007                      End Year: \* 2008  
Start Month: \* October                End Month: \* October  
Start Day: \* 03                         End Day: \* 31

### Keywords (see Keywords Library)

(e.g., Air, temperature, Precipitation, Photosynthesis, Ocean, Soil, Bacterial production, Climate, Land, Policy, Charr)

\* Select entry from the scroll down menu on the website or consult the Keywords Library

Keyword 1: \*Ocean surface wind

Keyword 2: \*

Keyword 3: \*

Keyword 4: \*

Keyword 5: \*

Keyword 6:

Keyword 7:

Keyword 8:

Keyword 9:

Keyword 10:

## Security

Access: \* Click on grey rectangle to view scroll down menu

Public