

## 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)  
Aircraft dropsondes

How should the data be cited: \*(As unpublished data or a journal reference)

(Maximum characters: 500, including spaces)

Study Site: \*

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

Purpose: \* (A summary of the intentions with which the data set was developed)  
Dropsondes provide the time, location, altitude, pressure, temperature, relative humidity, wind speed & direction at flight level for every 50 seconds for the flight  
(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 NRC aircraft flew approximately 48 hours during the project. This time was divided over 14 missions. During these missions, a total of 55 dropsondes were deployed from nine of the aircraft flights and 7 flights were coincident with Cloudsat overpasses

(Maximum characters: 1500, including spaces)

Data Originators: \*(e.g. name of data collector(s))

(Do not enter duplicate originators)

Ron Stewart, University of Manitoba CEOS, Winnipeg, MB

John Hanesiak, University of Manitoba CEOS, Winnipeg, MB

Kent Moore, University of Toronto, Toronto, ON

Peter Taylor, York University, Toronto, ON

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

Mengistu Wolde, Flight Research Laboratory, National Research Council of 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  
As needed

### 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): 69°03.07'

South (latitude N): 53°19.38'

West (longitude W): 66°27.38'

East (longitude W): 61°59.63'

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

\* Select entry from scroll down menu on website

Start Year: \* 2007

End Year: \* 2007

Start Month: \* Nov

End Month: \* Nov

Start Day: \* 05

End Day: \* 28

### 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: \* Dropsondes

Keyword 2: \* temperature

Keyword 3: \* wind

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