

## 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)  
MODIS Visible

How should the data be cited: \*(As unpublished data or a journal reference)

(Maximum characters: 500, including spaces)

Study Site: \*  
<http://ladsweb.nascom.nasa.gov/>

Purpose: \* (A summary of the intentions with which the data set was developed)  
Provide MODIS Level 1B 1km earth-view (EV) product, with it one can produce visible satellite images over southern Baffin Island  
(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 MODIS instrument is operating on both the Terra and Aqua spacecraft. It has a viewing swath width of 2,330 km and views the entire surface of the Earth every one to two days. Its detectors measure 36 spectral bands between 0.405 and 14.385  $\mu\text{m}$ , and it acquires data at three spatial resolutions -- 250m, 500m, and 1,000m.

Along with all the data from other instruments on board the Terra spacecraft and Aqua Spacecraft, MODIS data are transferred to ground stations in White Sands, New Mexico, via the Tracking and Data Relay Satellite System (TDRSS). The data are then sent to the EOS Data and Operations System (EDOS) at the Goddard Space Flight Center. The Level 1A, Level 1B, geolocation and cloud mask products and the Higher-level MODIS land and atmosphere products are produced by the MODIS Adaptive Processing System (MODAPS), and then are parceled out among three DAACs for distribution. MODIS Level 1 and atmosphere products are available through the LAADS web  
We download the data for the STAR IOP period

(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](#)  
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): 75°

South (latitude N): 45°

West (longitude W): -100°

East (longitude W): -30°

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

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

Start Year: \* 2007

End Year: \* 2007

Start Month: \* October

End Month: \* November

Start Day: \* 15

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: \*visible satellite images

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