

LAADSWeb Exercise

This is a brief exercise to help you become familiar with LAADSWeb, a portal for searching and ordering MODIS atmosphere data.

Go through this exercise to learn the features of the LAADSWeb site.

Depending on which case study you would like to work on later this week you should select one of the following sets of files to download using the instructions on the ftp section of the site or from the browse imagery section.

Primary Event for This Training

Air Quality July 31, 2014

1. **Go to the LAADSWeb page** at: <http://ladsweb.nascom.nasa.gov>

Part I - Visual Searches for Individual Files

2. **Find and order or download the files for the event date listed above.**

- a) Click on the ***Images*** tab near the top of the page link and click on ***Granule Browser***.

This tool only allows you to search for granules for one day at a time but provides you with greater ability to browse the products to find specific criteria before ordering.

- b) Enter the date.
Under collection select “51 – MODIS Collection 5.1 Selected Land and Atmos Products”. Under parameter choose “Aerosol Optical ” and then hit “Update”. In the map click and drag the yellow square over your area of interest, in this case, Canada. You can also enter your coordinates manually.
- c) Use the buttons to switch between Terra and Aqua. Choose Aqua.
- d) ***Click*** on “get granule images”. Select a granule of interest to you and click on the image. You can click on the file name at the top to download the file. Download the granule that was obtained on 2000 UTM.

MYD04_L2.A2014212.2000.051.2014213161025.hdf

- e) ***You may also click*** on “view side by side parameter comparison” and select various parameters you would like to compare with.

3. **Batch Searching:**

From the LAADSWeb main page select the **DATA** link and then **Search**.

DATA CONTROLS:

Product Selection:

Make sure you always make the following selections:

Satellite/Instrument - click in the circle to select either Terra MODIS or Aqua MODIS

For this exercise you can select Aqua

Group - Select Level 1, Level 2 or Level 3 data. If you change instrument selection you will have to select this again.

Select Aqua Level 2 Atmosphere Products

Products – After selecting the product group you must click on the product name.

Select BOTH the Level 2 Aerosol and Level 2 3km Aerosol Products

Temporal Selection: Select July 31, 2014.

Temporal Type – Date and Time.

Collection Selection:

Select “Collection – 6, L1” If this does not return any data then switch to “5 Coll15 AQUA/Terra Forward and Reprocessing”.

Spatial Selection

Select Latitude/Longitude. Either click and drag on the map or enter your coordinates or use one of the “Predefined Regions”.

*Select an area of a few degrees around your area of interest, **Canada***

Coverage Options

Select “Day” only.

4. **Examine results:**

Click Search.

Clicking on a file name will initiate a download of the data file.

For each file there should be two browse images available. Explore some of the browse images. You can use these to help determine which files to download.

You can add one or many files to the shopping cart for download.

Download

[MYD04_3K.A2014212.2000.006.2014213163948.hdf](#)
[MYD04_L2.A2014212.2000.006.2014213165536.hdf](#)

Refine your search:

Choose Aqua Level 1 Products
MYD02HKM – Level 1B Calibrated radiances – 500m
Collection 5.1 Selected Atmos and Land Products

And Search.

[Download](#)
[MYD02HKM.A2014212.2000.005.2014213154402](#)