

Ordering MODIS products

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Overview

- EarthData – EOSDIS portal for all EOS products (standard and near realtime)
- LAADS
 - LAADS Web
 - OPenDAP
 - Ftp
 - Web Services
- Mirador
- EarthData
 - Reverb | ECHO
 - Worldview (GIBS)

EOSDIS Earthdata

The screenshot shows the EOSDIS Earthdata website. At the top right, there is a "Login with URS!" button. The main header features the NASA logo and the EOSDIS logo, which includes a globe icon and the text "EOSDIS NASA'S EARTH OBSERVING SYSTEM DATA AND INFORMATION SYSTEM". Below the header is a navigation menu with links for "About EOSDIS", "Data", "Our Community", "User Resources", "Labs", "Wiki", and "Register". A search bar with a "Search" button is located on the right side of the header. On the left side, there is a sidebar titled "DISCOVER DATA & SERVICES" with four main categories: "Data and Service Access Client" (Reverb), "Dataset Directory" (GCMD), "Search & Order Tools", and "EOSDIS Data Service Directory". The main content area features a large satellite image of a tropical storm. Below the image, there is a title "Tropical Storm Fengshen (13W) off Japan" and a paragraph of text: "Pictured on September 8, 2014, from the MODIS instrument on the Terra satellite. Tropical Storm Fengshen is currently off the coast of southern Japan and will likely remain off shore from mainland Japan as it moves in a northeasterly direction. Visit Worldview to visualize near real-time data from EOSDIS." At the bottom of the page, there is a row of six circular icons representing different data categories: "ATMOSPHERE", "CALIBRATED RADIANCE AND SOLAR RADIANCE", "CRYOSPHERE", "HUMAN DIMENSIONS", "LAND", and "OCEAN".

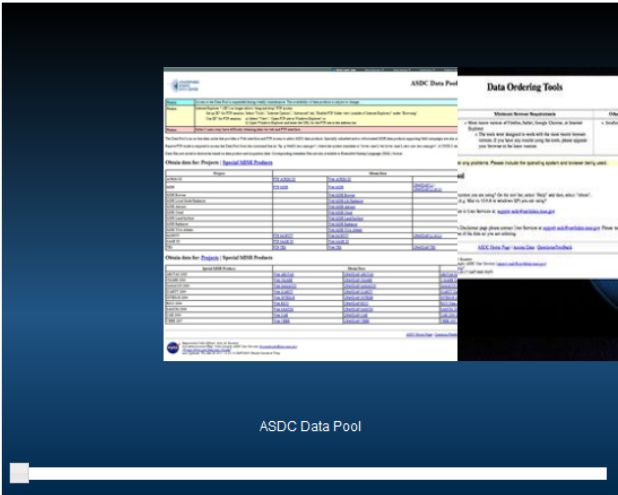
Portal for all EOSDIS satellite data holdings <https://earthdata.nasa.gov>

Earthdata – Search and Order

Home

Search and Order Tools

Share/Send Print



ASDC Data Pool

Data Center: LaRC ASDC

URL: <http://eosweb.larc.nasa.gov/HPDOCS/datapool/>

An on-line, short-term data cache providing a Web interface and FTP access to select ASDC data products. Specially subsetted and/or reformatted data products supporting field campaigns are also available.

Title	Description	Data Center
ASDC Data Pool	An on-line, short-term data cache providing a Web interface and FTP access to select ASDC data products. Specially subsetted and/or reformatted data products supporting field campaigns are also available.	LaRC ASDC
ASDC Order Tool	The tool allows users to search our data holdings without logging in to the system. User must log in before ordering data. Searches can be done by project, parameter, and data set, and searches can be refined by selecting a geographic region or time range. The ordering tool is available in HTML.	LaRC ASDC
ASDC Search and Subset Applications	The ASDC Search and Subset Applications provide Spatial, Temporal, and Parameter subsetting options for CALIPSO LIDAR Level 1/Level 2, CERES Level 3/Level 2, MISR, TES Level 2, and MOPITT Level 2 datasets using a specialized high-resolution spatial/temporal metadata database. Subset results are generated in the same HDF format as the archived files; The TES and MOPITT Subsetters also provide the option of generating subsetted output in NetCDF3 format.	LaRC ASDC
Atmospheric Composition Data and Information Services Center (ACDISC)	The tool provides convenient access to AC data and information from various remote-sensing missions, from heritage TOMS, SBUV, SSBUV and UARS datasets, to the most recent data from Aqua AIRS, Aura OMI, MLS, HIRDLS as well as AC datasets residing at other remote archive sites.	GES DISC
CALIPSO Search and Subset	The CALIPSO Search and Subsetting web application enables a more sophisticated approach to selecting and ordering CALIPSO lidar data by date, time and geolocation. Data	LaRC ASDC

Tab on Earthdata with links to all Search and Order tools available at the DAACs

Mirador

Mirador

Data Access Made Simple

You are here: [Keyword Search](#)

- + OVERVIEW
- + HELP CENTER
- + DATA HOLDINGS
- + VIEW CART 

Additional Features

- + News
- + Restricted Data
- + Feedback
- + FAQ

[Keyword](#) | [Projects](#) | [Science Areas](#)

Keyword: Time Span: To:
Location:



▾

What's New:

- [Events may be captured in the keyword search field](#)
- [Several level 3 datasets have newly added sub-setting services](#)

Available: [AIRS](#), [OMI](#), [MLS](#), [HIRDLS](#), [TOMS](#), [UARS](#), [TRMM](#), [GLDAS](#), [SORCE](#), Subsets from A-Train Sensors (e.g. [MODIS](#), [AIRS](#), [OMI](#) and [MLS](#)), [MERRA](#), [GOCART](#), [LIMS](#), [MSU](#), [NEESPI](#), [NLDAS](#), [SBUV](#), [SSBUV](#), [TOVS](#), [ACOS](#), [MEAsUREs](#), [LPRM](#), [GPM](#)

Acknowledgements:



<http://mirador.gsfc.nasa.gov/>


[Mirador](#) is an earth science data search tool developed at the GES DISC for our data users. It has a drastically simplified, clean interface and employs the Google mini appliance for metadata keyword searches. Other features include quick response, spatial and parameter subsetting, data file hit estimator, Gazetteer (geographic search by feature name capability), and an interactive shopping cart

Mirador

Keyword Projects Science Areas

Keyword: MODIS Time Span: 2013-09-08 To: 2014-09-12

Location: Update Map Search GES-DISC



Imagery ©2014 NASA Terms of Use Report a map error

Advanced Search

Looking for MODIS products in the GES-DISC from 9/8/13 to 9/12/2014 using Keyword search

Mirador – Search results

Keyword:

[More Search Options](#)

- + OVERVIEW
- + HELP CENTER
- + DATA HOLDINGS

Additional Features

- + News
- + Restricted Data
- + Feedback
- + FAQ

Data Sets

- MODIS/Aqua Clouds 1km and 5km 5-Min L2 Wide Swath Subset along CloudSat (MAC06S1)
[View Files](#) | [Info](#) | [Giovanni Analysis](#) | [Data Calendar](#)
Approx. **102816** files found (Avg Size: **3.541 MB**)
Parameters: CLOUD AMOUNT/FREQUENCY, CLOUD EMISSIVITY, CLOUD LIQUID WATER/ICE, CLOUD OPTICAL DEPTH/THICKNESS, CLOUD REFLECTANCE, CLOUD TOP PRESSURE, DROPLET CONCENTRATION/SIZE...
Spatial Resolution: 1 km at nadir x 1 km at nadir
Temporal Resolution: 5 Minutes
- MODIS/Aqua Clouds 1km and 5km 5-Min L2 Narrow Swath Subset along CloudSat (MAC06S0)
[View Files](#) | [Info](#) | [Data Calendar](#)
Approx. **102816** files found (Avg Size: **1.066 MB**)
Parameters: CLOUD EMISSIVITY, CLOUD OPTICAL DEPTH/THICKNESS, CLOUD TOP PRESSURE, CLOUD TOP TEMPERATURE, CLOUD REFLECTANCE, CLOUD AMOUNT/FREQUENCY, DROPLET CONCENTRATION/SIZE...
Spatial Resolution: 1 km at nadir x 1 km at nadir
Temporal Resolution: 5 Minutes
- MODIS/Aqua CLD Mask Spect. Results 250m and 1km 5-Min L2 Narrow Swath Subset along CloudSat (MAC35S0)
[View Files](#) | [Info](#) | [Data Calendar](#)
Approx. **102816** files found (Avg Size: **0.19 MB**)
Parameters: CLOUD AMOUNT/FREQUENCY, CLOUD BASE PRESSURE, CLOUD TOP PRESSURE
Spatial Resolution: 250 m x 250 m
Temporal Resolution: 5 Minutes
- MODIS/Aqua CLD Mask Spect. Results 250m and 1km 5-Min L2 Wide Swath Subset along CloudSat (MAC35S1)
[View Files](#) | [Info](#) | [Data Calendar](#)
Approx. **102816** files found (Avg Size: **0.879 MB**)
Parameters: CLOUD AMOUNT/FREQUENCY, CLOUD BASE PRESSURE, CLOUD TOP PRESSURE
Spatial Resolution: 250 m x 250 m
Temporal Resolution: 5 Minutes
- MODIS/Aqua Total Precip Water Vapor 1km and 5km 5-Min L2 Narrow Swath Subset along CloudSat (MAC05S0)
[View Files](#) | [Info](#) | [Data Calendar](#)
Approx. **102816** files found (Avg Size: **0.186 MB**)
Parameters: PRECIPITABLE WATER
Spatial Resolution: 1 km at nadir x 1 km at nadir
Temporal Resolution: 5 Minutes

Results for search summarized at the product level.

Links under each product get you to the individual files, Giovanni tool or the Data Calendar which summarizes all the GES DISC holdings for that product by month/year

Mirador

Keyword: [More Search Options](#)

You are here: [Keyword Search](#) » [Data sets from MODIS search](#) » [File Listing of MODIS](#) » [Your Cart](#) » [Checkout](#)

Results 1 - 15 for MODIS (0 seconds) Day/night: All

MODIS/Aqua Clouds 1km and 5km 5-Min L2 Wide Swath Subset along CloudSat [info](#)

<input checked="" type="checkbox"/> Select All in Page <input type="checkbox"/> File Names/Descriptive File Names	Start Time
<input checked="" type="checkbox"/> MAC06S1.A2014242.0315.002.2014253124344.hdf (19.56 MB) One Click Download: HDF (FTP)	2014-08-30 03:15:00 (Day) Metadata
<input checked="" type="checkbox"/> MAC06S1.A2014242.0310.002.2014253124304.hdf (7.76 MB) One Click Download: HDF (FTP)	2014-08-30 03:10:00 (Both) Metadata
<input checked="" type="checkbox"/> MAC06S1.A2014242.0305.002.2014253124244.hdf (4.59 MB) One Click Download: HDF (FTP)	2014-08-30 03:05:00 (Night) Metadata
<input checked="" type="checkbox"/> MAC06S1.A2014242.0300.002.2014253123924.hdf (2.65 MB) One Click Download: HDF (FTP)	2014-08-30 03:00:00 (Night) Metadata
<input checked="" type="checkbox"/> MAC06S1.A2014242.0255.002.2014253123744.hdf (2.89 MB) One Click Download: HDF (FTP)	2014-08-30 02:55:00 (Night) Metadata
<input checked="" type="checkbox"/> MAC06S1.A2014242.0250.002.2014253123234.hdf (2.87 MB) One Click Download: HDF (FTP)	2014-08-30 02:50:00 (Night) Metadata
<input checked="" type="checkbox"/> MAC06S1.A2014242.0245.002.2014253122914.hdf (2.83 MB) One Click Download: HDF (FTP)	2014-08-30 02:45:00 (Night) Metadata
<input checked="" type="checkbox"/> MAC06S1.A2014242.0240.002.2014253122844.hdf (2.25 MB) One Click Download: HDF (FTP)	2014-08-30 02:40:00 (Night) Metadata


You can add files to your shopping cart or click on [HDF \(FTP\)](#) to download a file

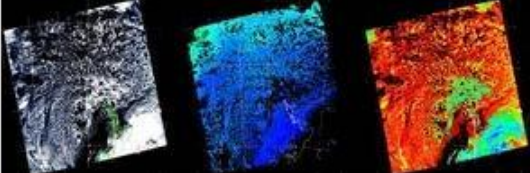
LAADS

<http://ladsweb.nascom.nasa.gov/>

LAADS is the DAAC that archives and distributes Atmosphere products from MODIS and VIIRS.

Disciplines Search EOSDIS

 GODDARD SPACE FLIGHT CENTER [+ Visit NASA.gov](#)

 **LAADS Web**
Level 1 and Atmosphere Archive and Distribution System

[- HOME](#) [+ DATA](#) [+ IMAGES](#) [+ TOOLS](#) [+ HELP](#)

Welcome to LAADS Web! LAADS Web is the web interface to the Level 1 and Atmosphere Archive and Distribution System (LAADS). The mission of LAADS is to provide quick and easy access to [MODIS](#) Level 1, Atmosphere and Land data products and [VIIRS](#) Level 1 and Land data products.

Data
Search, order, and download MODIS Level 1, Atmosphere and Land data products and VIIRS Level 1 and Land data products. Products may also be subset by parameter, area, or band, mosaiced, reprojected, or masked.

Images
Visually browse MODIS Level 1, Atmosphere and Land data products.

Tools
Access tools to use with MODIS Level 1, Atmosphere and Land data products and VIIRS Level 1 and Land data products.

Help
Get help including tutorials and contact information.

MODIS level 2 clouds, aerosols, snow, sea ice, fire, land surface temperature, and land surface reflectance products are available within 2.5 hours of observation at [LANCE-MODIS](#).

Information about the production, archive and distribution of the data products in LAADS can be found at the [MODAPS Services](#) website.

Any questions should be directed to MODAPS user support. Contact information can be found on the [Contacts](#) page.

NEWS

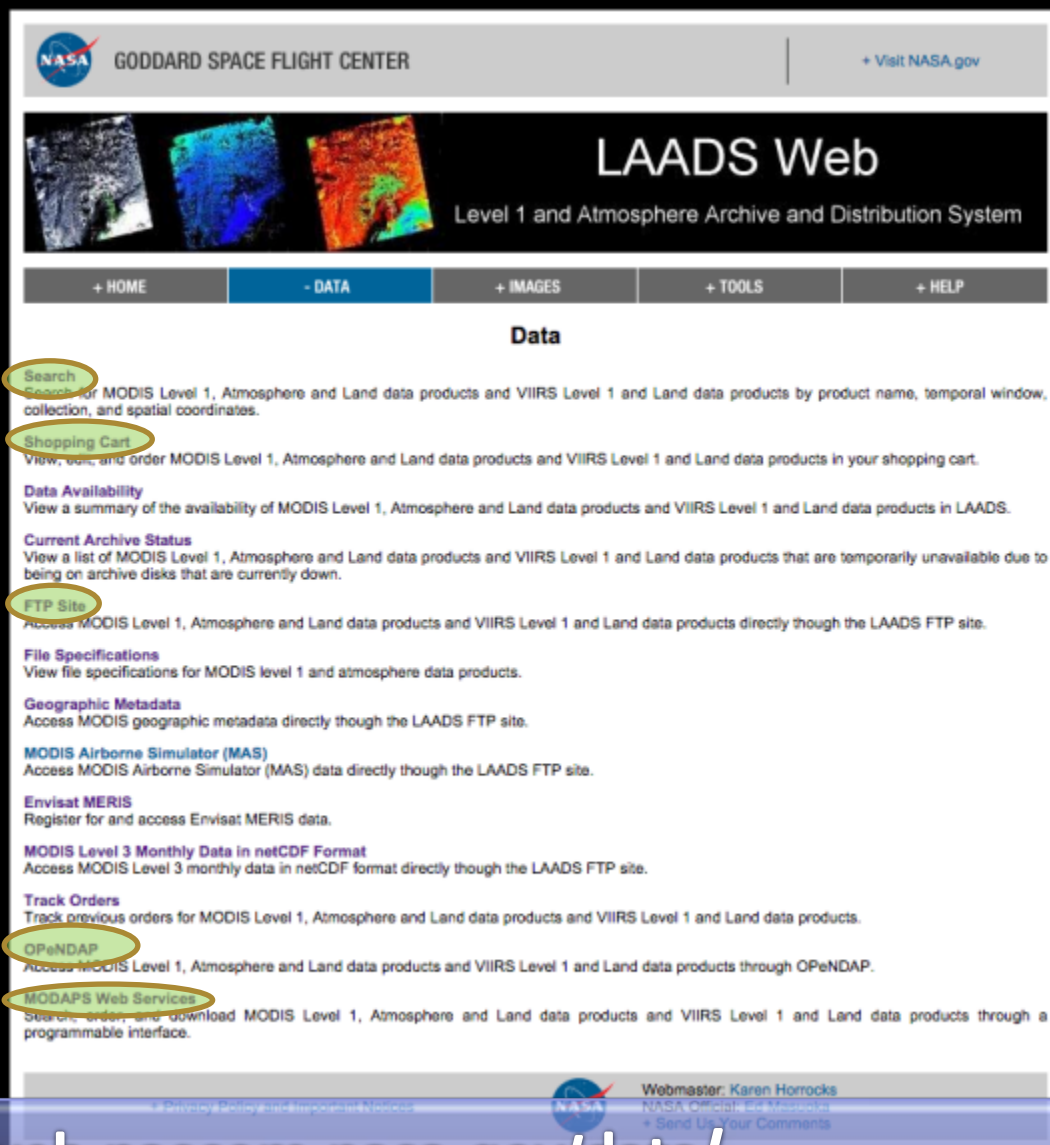
08.28.2014 - NASA Customer Satisfaction Survey
In the next few days, MODAPS LAADS data users will receive an email from CFI Group on behalf of NASA. This message will ask you to complete a survey for users of NASA Earth science data and services, which includes the LAADS.
[+ Read More](#)

08.26.2014 - Terra MODIS Collection 6 Level 1B Products Reprocessing Completed
UPDATE: The Terra MODIS Collection 6 Level 1B products reprocessing has been completed.
[+ Read More](#)

07.01.2014 - Removal of Collection 5 Atmosphere Level 2 and Level 3 Data Products
Users of Atmosphere Level 2 and Level 3 data products should note that, effective July 14th 2014, LAADS plans to remove older Collection 5 Atmosphere products wherever Collection 5.1 products are available.
[+ Read More](#)

06.09.2014 - Production Time Issue in MODIS Products

Access Methods Described Online



The screenshot shows the LAADS Web interface. At the top, there is a NASA logo and the text "GODDARD SPACE FLIGHT CENTER" and "+ Visit NASA.gov". Below this is a banner with three satellite images and the text "LAADS Web" and "Level 1 and Atmosphere Archive and Distribution System". A navigation bar contains links: "+ HOME", "- DATA" (highlighted), "+ IMAGES", "+ TOOLS", and "+ HELP".

The main content area is titled "Data" and lists several links, each with a brief description:

- Search**: Search for MODIS Level 1, Atmosphere and Land data products and VIIRS Level 1 and Land data products by product name, temporal window, collection, and spatial coordinates.
- Shopping Cart**: View, edit, and order MODIS Level 1, Atmosphere and Land data products and VIIRS Level 1 and Land data products in your shopping cart.
- Data Availability**: View a summary of the availability of MODIS Level 1, Atmosphere and Land data products and VIIRS Level 1 and Land data products in LAADS.
- Current Archive Status**: View a list of MODIS Level 1, Atmosphere and Land data products and VIIRS Level 1 and Land data products that are temporarily unavailable due to being on archive disks that are currently down.
- FTP Site**: Access MODIS Level 1, Atmosphere and Land data products and VIIRS Level 1 and Land data products directly through the LAADS FTP site.
- File Specifications**: View file specifications for MODIS level 1 and atmosphere data products.
- Geographic Metadata**: Access MODIS geographic metadata directly through the LAADS FTP site.
- MODIS Airborne Simulator (MAS)**: Access MODIS Airborne Simulator (MAS) data directly through the LAADS FTP site.
- Envisat MERIS**: Register for and access Envisat MERIS data.
- MODIS Level 3 Monthly Data in netCDF Format**: Access MODIS Level 3 monthly data in netCDF format directly through the LAADS FTP site.
- Track Orders**: Track previous orders for MODIS Level 1, Atmosphere and Land data products and VIIRS Level 1 and Land data products.
- OPeNDAP**: Access MODIS Level 1, Atmosphere and Land data products and VIIRS Level 1 and Land data products through OPeNDAP.
- MODAPS Web Services**: Search, order, and download MODIS Level 1, Atmosphere and Land data products and VIIRS Level 1 and Land data products through a programmable interface.

At the bottom right, there is a NASA logo and contact information: "Webmaster: Karen Horrocks", "NASA Official: Ed Muscola", and "+ Send Us Your Comments".

<http://ladsweb.nascom.nasa.gov/data/>

Interactive Options

- Web Services (MWS)
 - Subset, Mosaic, Reprojection, etc...
- FTP
 - Direct Downloads
- OPeNDAP
 - Format Conversions

Search for Data Products

If you know the file names of the products for which you are searching, you may also search for file names.

Product Selection

Please select one or more products: [View Help](#)

Satellite/Instrument:
Terra MODIS

Group:
Terra Level 1 Products

Products:

- MOD01 - Level 1A Scans of raw radiances in counts
- MOD021KM - Level 1B Calibrated Radiances - 1km
- MOD02HKM - Level 1B Calibrated Radiances - 500m
- MOD02QBC - Level 1B Onboard Calibrator/Engineering Data
- MOD02QKM - Level 1B Calibrated Radiances - 250m
- MOD02SSH - MODIS/Terra Level 1B Subsampled Calibrated Radiances 5km
- MOD03 - Geolocation - 1km
- MODASRVN - AERONET-based Surface Reflectance Validation Network

Please read the [disclaimer](#) about the Collection 5 MOD04_L2 and MYD04_L2 products.

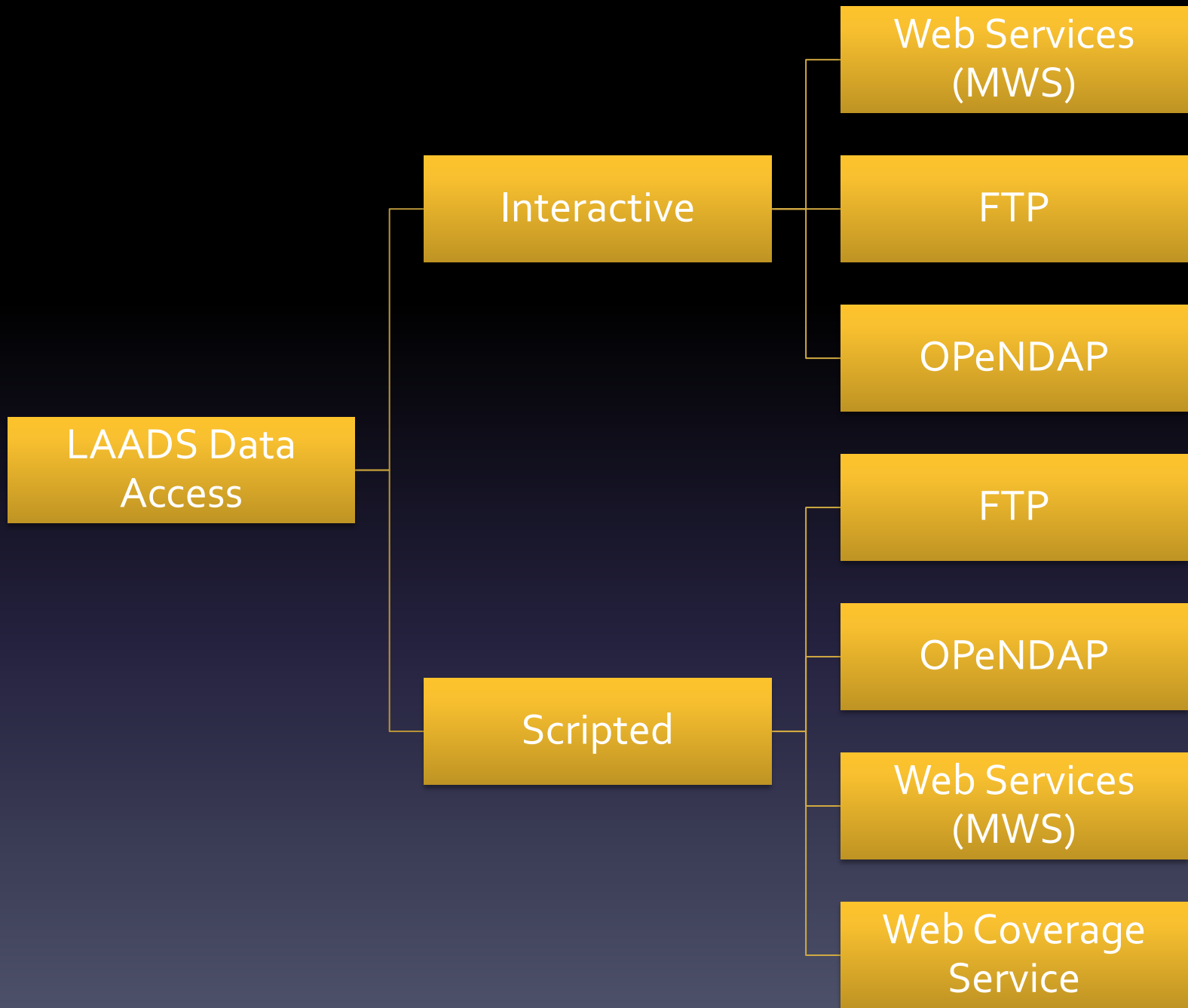
All Suomi NPP VIIRS EDRs are currently BETA QUALITY (WITH KNOWN PROBLEMS) AND ARE NOT INTENDED FOR SCIENTIFIC USE. VIIRS calibration is based on prelaunch data and on-orbit calibration and characterization has begun. For more information, see the [NPP VIIRS QA - Product Quality Documentation](#).

For information on how long the Suomi NPP VIIRS data are kept in the archive, see the [Land LPEATE Data Production and Retention policies](#).

Scripted

- FTP
 - Curl, Wget, Perl scripts, etc.
- OPeNDAP
 - URL based subsetting, Format Conversion
- Web Coverage Service
 - OGC Compliant Protocol
 - Reprojection, Search, Format Conversion
- Web Services (MWS)
 - REST or SOAP interface
 - Search, Reprojection, Subsetting, Format Conversion, etc...





Search for Products

- Product Selection (product)
- Temporal Selection (time period)
- Collection Selection (reprocessing)
- Spatial Selection (geographic area)
- Saved Parameters Selection (save or load search parameters)

The screenshot shows the LAADS Web search interface. At the top, it features the NASA logo and 'GODDARD SPACE FLIGHT CENTER' on the left, and a 'Visit NASA.gov' link on the right. Below this is a banner for 'LAADS Web' with the subtitle 'Level 1 and Atmosphere Archive and Distribution System'. A navigation bar contains links for HOME, DATA, SALES, TERMS, and HELP. The main heading is 'Search for Data Products'. A sub-heading states: 'If you know the file names of the products for which you are searching, you may also search for file names.' The 'Product Selection' section includes a 'Please select one or more products:' instruction, a 'Search/Instrument:' dropdown set to 'Terra MODIS', a 'Group:' dropdown set to 'Terra Level 1 Products', and a list of products with checkboxes. Below the list, there is a disclaimer: 'Please read the disclaimer about the Collection 5 MOD04_L2 and MYD04_L2 products. All Science MPP VRS data are currently BETA QUALITY (WITH KNOWN PROBLEMS) AND ARE NOT INTENDED FOR SCIENTIFIC USE. VRS calibration is based on prelaunch data and on-orbit calibration and characterization has begun. For more information, see the MPP VRS QA - Product Quality Documentation.' The 'Temporal Selection' section asks for temporal information in MMDD/YYYY or YYYY-DDD format, with fields for 'Temporal Type', 'Start Date and Time', and 'End Date and Time'. The 'Collection Selection' section asks for a collection, with a dropdown set to '5 - MODIS Collection 5 - L1, Atmos and Land'. The 'Spatial Selection' section asks for coordinates for the area of interest, with a 'Coordinate System' dropdown set to 'None (Global Search)'. The 'Saved Parameters Selection' section asks for a name for a set of saved parameters, with 'Browse...' and 'Load' buttons. At the bottom, there is a 'Search' button and a footer with 'Privacy Policy and Important Notices', the NASA logo, and 'Webmaster: PASCAL HAYDOCK NASA/GSFC/Earth Science Data Services'.

Searching LAADS Web for L2 Aerosol

Under Satellite/Instrument I selected **Terra MODIS** which set choices for Group. Under Group, I selected **Terra Atmosphere Level 2 Products**. Under Products, I selected **Level 2 Aerosol** by clicking on it. To keep things simple, I selected just the 5 minute granules from 9/6/2014.

The screenshot shows the LAADS Web search interface. At the top, the NASA logo and "GODDARD SPACE FLIGHT CENTER" are visible, along with a link to "Visit NASA.gov". Below this is a banner for "LAADS Web" with the subtitle "Level 1 and Atmosphere Archive and Distribution System". A navigation bar contains links for HOME, DATA (highlighted), IMAGES, TOOLS, and HELP.

The main section is titled "Search for Data Products". Below this, a note states: "If you know the file names of the products for which you are searching, you may also search for file names." The "Product Selection" section includes a "View Help" link and a "Please select one or more products:" instruction. It features two dropdown menus: "Satellite/Instrument" set to "Terra MODIS" and "Group" set to "Terra Atmosphere Level 2 Products". A list of products is shown, with "MOD04_L2 - Level 2 Aerosol" selected. Other products in the list include MOD05_L2, MOD06_L2, MOD07_L2, MOD07_QC, MOD35_L2, MOD35_QC, MODARNSS, MODATML2, and MODCSR_G.

Below the product list, there is a disclaimer: "Please read the disclaimer about the Collection 5 MOD04_L2 and MYD04_L2 products." This is followed by a warning: "All Suomi NPP VIIRS EDRs are currently BETA QUALITY (WITH KNOWN PROBLEMS) AND ARE NOT INTENDED FOR SCIENTIFIC USE. VIIRS calibration is based on prelaunch data and on-orbit calibration and characterization has begun. For more information, see the NPP VIIRS QA - Product Quality Documentation." A final note provides information on data retention: "For information on how long the Suomi NPP VIIRS data are kept in the archive, see the Land LPEATE Data Production and Retention policies."

The "Temporal Selection" section includes another "View Help" link and a "Please enter the temporal information in either MM/DD/YYYY or YYYY-DDD format:" instruction. It features a "Temporal Type" dropdown set to "Individual Dates and Times" and a text input field for "Dates (one per line):" containing "09/06/2014".

Searching LAADS for L2 Aerosol

Spatial Selection is **Lat/Lon**. It can be Tile ID if Level 3.

I chose a predefined region, **Continental US**. Note only one bounding box can be defined per search.

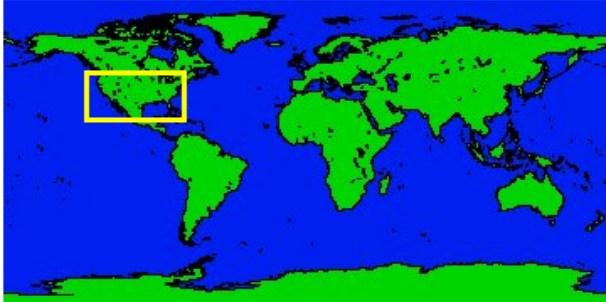
I selected **Day** and **Both** (mixed day and night mode) granules.

Spatial Selection

Please enter the coordinates for your area of interest. [+ View Help](#)

Coordinate System:
Latitude/Longitude

In addition to entering the coordinates, users with Javascript enabled browsers may use their mouse to select a region on the map or select one of the predefined regions.



Specify Bounding Box Coordinates as:
North, West, East, South

North: 45

West: -130 East: -75

South: 20

Predefined Regions:
Coastal West Africa
Continental US
Indian Subcontinent
Sea of Japan
US West Coast
Whole Earth

Coverage Selection

You may also specify coverage for the following products: MOD04_L2. [+ View Help](#)

Coverage Options:

Day (granules contain day data only)

Night (granules contain night data only)

Both (granules contain both day and night data)

Searching LAADS for L2 Aerosol

I can filter on metadata fields including PGEVersion.

Before you Search you may wish to save the Search parameter selections in a file to use later.

Metadata Selection

You may also filter on several metadata fields. Select "Yes" next to each field to filter on that field. The products that will be filtered are listed beside each field. [+ View Help](#)

PGEVersion	<input type="text"/>	Filter?	No <input type="button" value="v"/>	(MOD04_L2)
QAPercentMissingData	Start: <input type="text" value="0.0"/> End: <input type="text" value="100.0"/>	Filter?	No <input type="button" value="v"/>	(MOD04_L2)
SuccessfulRetrievalPct_Land	Start: <input type="text" value="0.0"/> End: <input type="text" value="100.0"/>	Filter?	No <input type="button" value="v"/>	(MOD04_L2)
SuccessfulRetrievalPct_Ocean	Start: <input type="text" value="0.0"/> End: <input type="text" value="100.0"/>	Filter?	No <input type="button" value="v"/>	(MOD04_L2)


Require that the filtered metadata fields be defined to be included in the search results

Saved Parameters Selection

You may load a set of saved parameters by entering the name of the file on your system and clicking "Load". You may also save the current set of parameters to your system by entering a file name and clicking "Save": [+ View Help](#)

Name:
 No file selected.

[+ Privacy Policy and Important Notices](#)



Webmaster: [Karen Horrocks](#)
NASA Official: [Ed Masuoka](#)
[+ Send Us Your Comments](#)

Search Results L2 Aerosol

Search results are displayed. You can open a product or a browse image by clicking the link under File Name or Browse.

The screenshot shows the LAADS Web interface. At the top, there is a NASA logo and the text "GODDARD SPACE FLIGHT CENTER" and "Via NASA.gov". Below this is a banner with three satellite images and the text "LAADS Web Level 1 and Atmosphere Archive and Distribution System". A navigation bar contains links for HOME, DATA (selected), IMAGES, TOOLS, and HELP. The main heading is "Search for Data Products".

Search Parameters

Product: MOD04_L2
Collection: 51
Spatial: N: 60.0, S: 30.0, E: -48.8, W: -146.5
Coverage: Day, Both

Search Results [+ View Help](#)

A total of 18 files (23.41 MB) match the selected parameters. You may [refine your search](#).

You may modify your order by selecting or clearing each file's checkbox. You may also select or clear checkboxes by clicking "Select Online Checkboxes", "Select Offline Checkboxes", or "Clear All Checkboxes". These apply to the checkboxes for all files found by your search, not just the files on this page. Please note that only online files are selected by default. You may order files that are offline by clicking "Select Offline Checkboxes". However, you will not receive these files immediately. They will be regenerated and you will be notified by email when they are ready.

You may not order files that have expired or are temporarily unavailable. Expired files are in a rolling archive and are only available for a set period of time. Temporarily unavailable files are on an archive disk that is down and cannot be ordered until the disk is back up.

You also may not order Envisat MERIS files as they may only be downloaded by clicking on the file name and entering a user name and password. Visit the [MERIS Registration](#) page to register for a username and password.

Displaying results 1 - 10 of 18. [1](#) | [2](#) | [Next](#) | [View All](#)

Time	Product	File Name	Size	Online	Add	Browse
2014-249 13:35	MOD04_L2	MOD04_L2.A2014249.1335.051.2014249202705.hdf	1 MB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Rate Small
2014-249 13:40	MOD04_L2	MOD04_L2.A2014249.1340.051.2014249202711.hdf	2 MB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Rate Small
2014-249 13:45	MOD04_L2	MOD04_L2.A2014249.1345.051.2014249202650.hdf	1 MB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Rate Small
2014-249 15:10	MOD04_L2	MOD04_L2.A2014249.1510.051.2014250014929.hdf	834 KB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Rate Small

Ordering Aerosol Products

All checked files will be downloaded. **Order Files Now** places the order immediately. For post-processing select **Add Files to Shopping Cart**

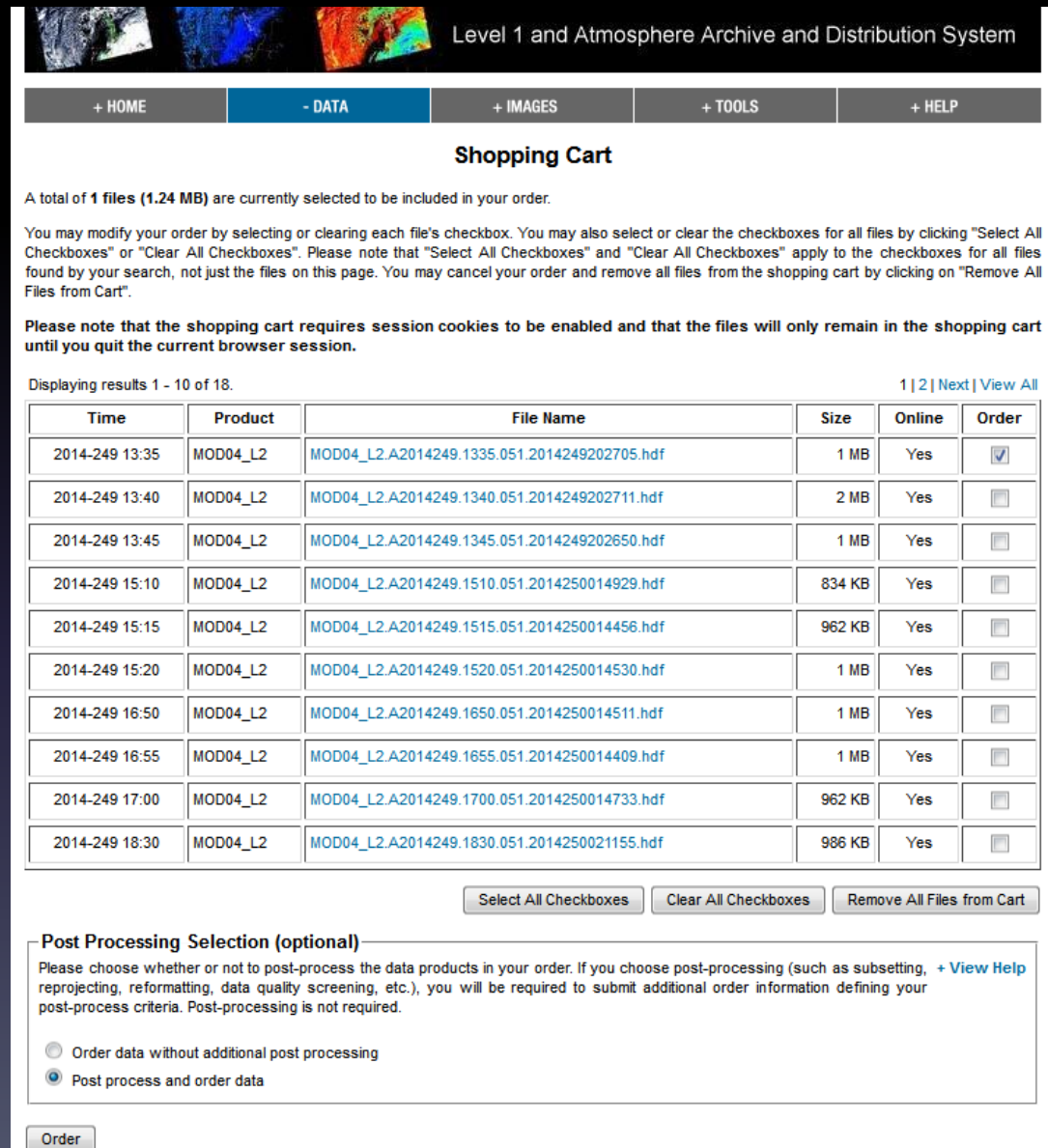
Displaying results 1 - 10 of 18. 1 | 2 | Next | View All

Time	Product	File Name	Size	Online	Add	Browse
2014-249 13:35	MOD04_L2	MOD04_L2.A2014249.1335.051.2014249202705.hdf	1 MB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Ratio Small
2014-249 13:40	MOD04_L2	MOD04_L2.A2014249.1340.051.2014249202711.hdf	2 MB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Ratio Small
2014-249 13:45	MOD04_L2	MOD04_L2.A2014249.1345.051.2014249202650.hdf	1 MB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Ratio Small
2014-249 15:10	MOD04_L2	MOD04_L2.A2014249.1510.051.2014250014929.hdf	834 KB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Ratio Small
2014-249 15:15	MOD04_L2	MOD04_L2.A2014249.1515.051.2014250014456.hdf	962 KB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Ratio Small
2014-249 15:20	MOD04_L2	MOD04_L2.A2014249.1520.051.2014250014530.hdf	1 MB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Ratio Small
2014-249 16:50	MOD04_L2	MOD04_L2.A2014249.1650.051.2014250014511.hdf	1 MB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Ratio Small
2014-249 16:55	MOD04_L2	MOD04_L2.A2014249.1655.051.2014250014409.hdf	1 MB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Ratio Small
2014-249 17:00	MOD04_L2	MOD04_L2.A2014249.1700.051.2014250014733.hdf	962 KB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Ratio Small
2014-249 18:30	MOD04_L2	MOD04_L2.A2014249.1830.051.2014250021155.hdf	986 KB	Yes	<input checked="" type="checkbox"/>	+ View Aerosol Optical Depth + View Aerosol Optical Depth Ratio Small

Please note that if you want to **post-process** files (subset, reproject, reformat, data quality screen, etc.) you need to select "Add Files to Shopping Cart" and place the order from your shopping cart. If you select "Order Files Now", the order will be placed immediately, without post-processing.

Post-processing

In the shopping cart: Select files to Post process; click on **Post process** and order data then click **Order**



Level 1 and Atmosphere Archive and Distribution System

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Shopping Cart

A total of **1 files (1.24 MB)** are currently selected to be included in your order.

You may modify your order by selecting or clearing each file's checkbox. You may also select or clear the checkboxes for all files by clicking "Select All Checkboxes" or "Clear All Checkboxes". Please note that "Select All Checkboxes" and "Clear All Checkboxes" apply to the checkboxes for all files found by your search, not just the files on this page. You may cancel your order and remove all files from the shopping cart by clicking on "Remove All Files from Cart".

Please note that the shopping cart requires session cookies to be enabled and that the files will only remain in the shopping cart until you quit the current browser session.

Displaying results 1 - 10 of 18. [1](#) | [2](#) | [Next](#) | [View All](#)

Time	Product	File Name	Size	Online	Order
2014-249 13:35	MOD04_L2	MOD04_L2.A2014249.1335.051.2014249202705.hdf	1 MB	Yes	<input checked="" type="checkbox"/>
2014-249 13:40	MOD04_L2	MOD04_L2.A2014249.1340.051.2014249202711.hdf	2 MB	Yes	<input type="checkbox"/>
2014-249 13:45	MOD04_L2	MOD04_L2.A2014249.1345.051.2014249202650.hdf	1 MB	Yes	<input type="checkbox"/>
2014-249 15:10	MOD04_L2	MOD04_L2.A2014249.1510.051.2014250014929.hdf	834 KB	Yes	<input type="checkbox"/>
2014-249 15:15	MOD04_L2	MOD04_L2.A2014249.1515.051.2014250014456.hdf	962 KB	Yes	<input type="checkbox"/>
2014-249 15:20	MOD04_L2	MOD04_L2.A2014249.1520.051.2014250014530.hdf	1 MB	Yes	<input type="checkbox"/>
2014-249 16:50	MOD04_L2	MOD04_L2.A2014249.1650.051.2014250014511.hdf	1 MB	Yes	<input type="checkbox"/>
2014-249 16:55	MOD04_L2	MOD04_L2.A2014249.1655.051.2014250014409.hdf	1 MB	Yes	<input type="checkbox"/>
2014-249 17:00	MOD04_L2	MOD04_L2.A2014249.1700.051.2014250014733.hdf	962 KB	Yes	<input type="checkbox"/>
2014-249 18:30	MOD04_L2	MOD04_L2.A2014249.1830.051.2014250021155.hdf	986 KB	Yes	<input type="checkbox"/>

Post Processing Selection (optional)


Please choose whether or not to post-process the data products in your order. If you choose post-processing (such as subsetting, [+ View Help](#) reprojecting, reformatting, data quality screening, etc.), you will be required to submit additional order information defining your post-process criteria. Post-processing is not required.

Order data without additional post processing

Post process and order data

Post-processing

Select post-processing options then click **Order**

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Specify Post Processing

Select Post Processing

Choose which post-processing steps you would like applied to your data. If you do not check any boxes, then your data products [+ View Help](#) will be delivered without post processing.

Note that it will take some time to generate post processed data, depending on the type of processing you select and the number of other post processing jobs we are working on.

Also, note that not all products support all forms of post-processing. If a product does not support a specific form of post-processing, that post-processing will be ignored for that product.

- Subset by parameter
- Subset by geographic area of interest
- Subset by band (L1B only)
- Mosaic products
- Reproject products using new map projection
- Mask products
- Convert products to geoTIFF format
- Data Quality Screening Service (DQSS)

Include Information Files

Most post-processing engines create extra files, including status files, logfiles, parameter files, and README files. Normally, these files are discarded when the post-process job completes. However, you can include these files in your order by checking the following box.

- Include information files

+ Privacy Policy and Important NoticesWebmaster: Karen Horrocks
NASA Official: Ed Masuoka
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Data Quality Screening Service

Data Quality Screening Service uses Q/A metadata in the product to screen *SDSes* by replacing lower quality observations with fill values.

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Set Post Process Criteria

You have selected a total of 9 files to post-process. Each product file will be processed using the operations listed below.

Data Quality Screening Service (DQSS)

Please select from the following criteria to include data with the selected quality value and better in the order. [+ View Help](#)

Product: MOD04_L2

Effective_Optical_Depth_Best_Ocean ¹	<input checked="" type="radio"/> NoScreening for Determined Values	<input type="radio"/> Marginal	<input type="radio"/> Good	<input type="radio"/> VeryGood
Deep_Blue_Aerosol_Optical_Depth_Land ²	<input type="radio"/> NoScreening for Determined Values	<input type="radio"/> Marginal	<input type="radio"/> Good	<input checked="" type="radio"/> VeryGood
Effective_Optical_Depth_Average_Ocean ³	<input checked="" type="radio"/> NoScreening for Determined Values	<input type="radio"/> Marginal	<input type="radio"/> Good	<input type="radio"/> VeryGood
Corrected_Optical_Depth_Land ⁴	<input type="radio"/> NoScreening for Determined Values	<input type="radio"/> Marginal	<input type="radio"/> Good	<input checked="" type="radio"/> VeryGood

¹Screening criteria for Effective_Optical_Depth_Best_Ocean will also be applied to Optical_Depth_Small_Best_Ocean.

²Screening criteria for Deep_Blue_Aerosol_Optical_Depth_Land will also be applied to Deep_Blue_Aerosol_Optical_Depth_550_Land, Deep_Blue_Angstrom_Exponent_Land, Deep_Blue_Single_Scattering_Albeds_Land.

³Screening criteria for Effective_Optical_Depth_Average_Ocean will also be applied to Angstrom_Exponent_1_Ocean, Angstrom_Exponent_2_Ocean, Effective_Radius_Ocean, Optical_Depth_Small_Average_Ocean.

⁴Screening criteria for Corrected_Optical_Depth_Land will also be applied to Angstrom_Exponent_Land, Corrected_Optical_Depth_Land_wav2p1.

Screening criteria for Effective_Optical_Depth_Average_Ocean and Corrected_Optical_Depth_Land will also be applied to the global Optical_Depth_Land_And_Ocean.

Notes (for Aerosol Products):

- The MODIS science team recommends using only data tagged with "Very Good" for pixels over land.
- The MODIS science team recommends using data tagged with "Marginal", "Good", or "Very Good" for pixels over ocean.
- Aerosol Deep Blue are not available for Terra after December 2007 due to the unavailability of the required polarization corrections to the L1B data. The Aerosol Deep Blue are available for Aqua for the entire mission.
- All dimensions and attributes of the original data file will be preserved.

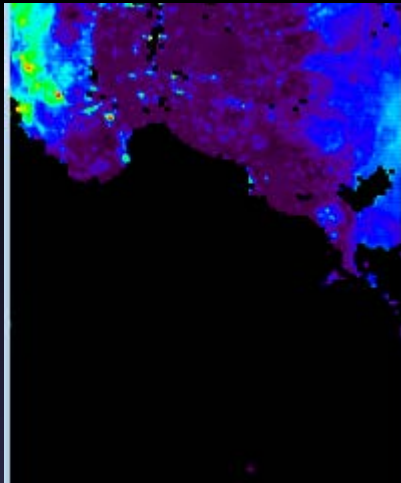
Order

+ Privacy Policy and Important Notices

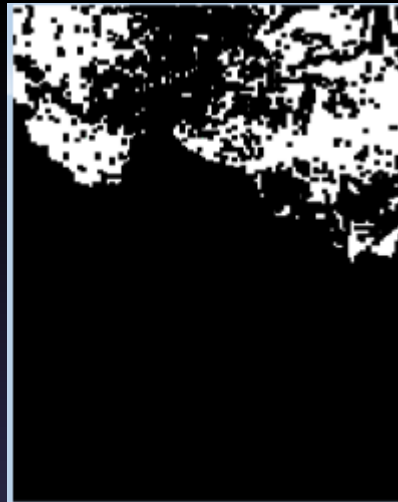
NASA Webmaster: Karen Herricks
NASA Official: Ed Maauoka
[+ Send Us Your Comments](#)

Data Quality Screening Service

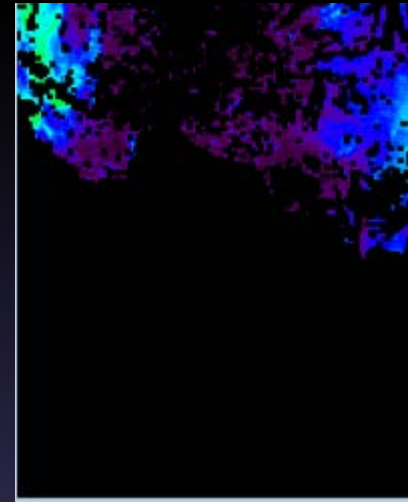
Original Image



Mask



Screened Image



Mask is white (1) where data meet the quality threshold specified (in this example, Good or Very Good) and black (0) where data fall below threshold. Observations that correspond to black (0) elements in the mask are replaced with fill values in the screened product.

Final step in ordering

- Provide the email address LAADS will use to contact you about your order and you can use to track status. FTP Pull is our preferred method of delivery and if chosen, when your order completes an email message will provide you with link to the directory containing your products.

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LAADS Web

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Set Delivery Method

Please choose how you want your products delivered:

Email Address

Please enter your email address so we can contact you if we have problems filing your order. You will also be able to [track your order](#) using your email address.

Email:

Select Delivery Method [+ View Help](#)

To order your selected products, please specify a delivery method.

FTP Pull (stage products where I can download them using FTP or GNU Wget)

FTP Push (automatically deliver products to my site's FTP server)

Please note the following restrictions when choosing FTP Push as a delivery method:

- Your site must be running its own FTP server that our server can contact.
- You must provide us with all the information required to log into your FTP server and copy files to it.
- If, when your data are ready, we are unable to login to your FTP server, we will continue to retry once a day for up to three days. After that time, we will stop trying, and you will need to retrieve the data on your own.

[+ Privacy Policy and Important Notices](#) Webmaster: Karen Horrocks
NASA Official: Ed Masuoka
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Your order notification

Your Export ID is: 500862006

The data you ordered will be staged (in a few minutes), and you can retrieve the data through anonymous FTP using:

```
ftp ladswb.nascom.nasa.gov
username: anonymous
password: edward.j.masuoka@nasa.gov
```

```
cd /orders/500862006
binary
prompt
mget *
```

The following is a list of the data files (CkSum, Size [Bytes]):

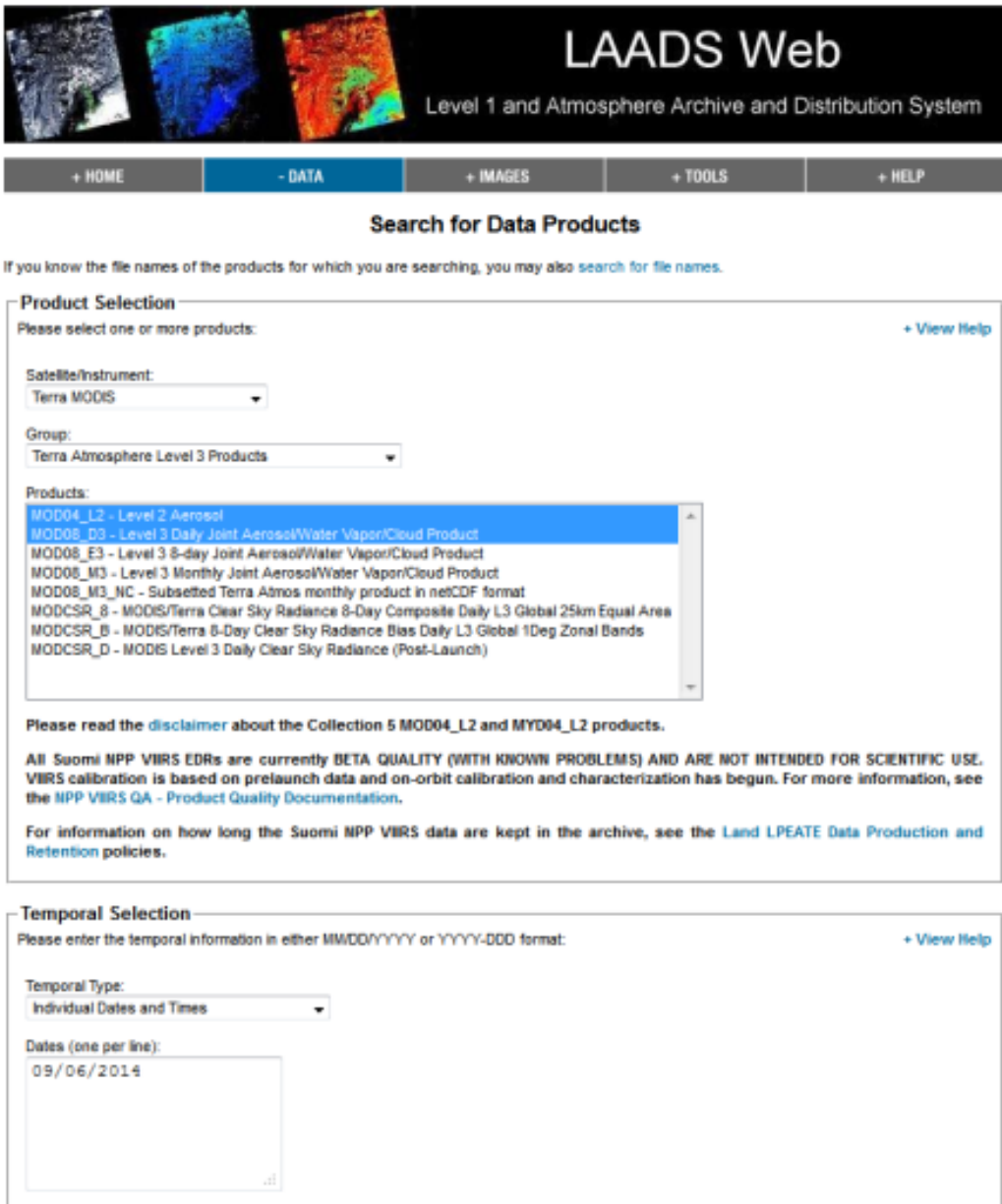
```
MOD04_L2.A2014249.1515.051.2014250014456.dqcs_000500862006.hdf (4268921639, 1140025)
MOD04_L2.A2014249.1520.051.2014250014530.dqcs_000500862006.hdf (13529451, 1684665)
MOD04_L2.A2014249.1525.051.2014250014526.dqcs_000500862006.hdf (4079920764, 967058)
MOD04_L2.A2014249.1655.051.2014250014409.dqcs_000500862006.hdf (1366509343, 1296342)
MOD04_L2.A2014249.1700.051.2014250014733.dqcs_000500862006.hdf (1434794372, 1055083)
MOD04_L2.A2014249.1705.051.2014250014453.dqcs_000500862006.hdf (3127496211, 700183)
MOD04_L2.A2014249.1835.051.2014250021359.dqcs_000500862006.hdf (4014910587, 2175732)
MOD04_L2.A2014249.1840.051.2014250021351.dqcs_000500862006.hdf (2795295329, 1041399)
MOD04_L2.A2014249.2015.051.2014250032754.dqcs_000500862006.hdf (453027313, 2091438)
README.1410212620_22665.5403.500862006.txt (3559821994, 1031)
checksums_500862006 (1994261109, 1286)
```

NOTE: The files will be deleted after 5 days, please download the files before they get deleted.

For help, please contact us at modapsuso@sigmaspace.com.

Adding L3 Aerosol to the search

If I want to include Level 3 Daily Joint Aerosol/Water product in the search, I can select it under Group and it will be added to the search. Note, the previously selected Level 2 Aerosol appears under Products.



LAADS Web
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Search for Data Products

If you know the file names of the products for which you are searching, you may also [search for file names](#).

Product Selection [+ View Help](#)

Please select one or more products:

Satellite/Instrument:
Terra MODIS

Group:
Terra Atmosphere Level 3 Products

Products:

- MOD04_L2 - Level 2 Aerosol
- MOD08_D3 - Level 3 Daily Joint Aerosol/Water Vapor/Cloud Product
- MOD08_E3 - Level 3 8-day Joint Aerosol/Water Vapor/Cloud Product
- MOD08_M3 - Level 3 Monthly Joint Aerosol/Water Vapor/Cloud Product
- MOD08_M3_NC - Subsetted Terra Atmos monthly product in netCDF format
- MODCSR_8 - MODIS/Terra Clear Sky Radiance 8-Day Composite Daily L3 Global 25km Equal Area
- MODCSR_B - MODIS/Terra 8-Day Clear Sky Radiance Bias Daily L3 Global 1Deg Zonal Bands
- MODCSR_D - MODIS Level 3 Daily Clear Sky Radiance (Post-Launch)

Please read the [disclaimer](#) about the Collection 5 MOD04_L2 and MYD04_L2 products.

All Suomi NPP VIIRS EDRs are currently BETA QUALITY (WITH KNOWN PROBLEMS) AND ARE NOT INTENDED FOR SCIENTIFIC USE. VIIRS calibration is based on prelaunch data and on-orbit calibration and characterization has begun. For more information, see the [NPP VIIRS QA - Product Quality Documentation](#).

For information on how long the Suomi NPP VIIRS data are kept in the archive, see the [Land LPEATE Data Production and Retention policies](#).

Temporal Selection [+ View Help](#)

Please enter the temporal information in either MM/DD/YYYY or YYYY-DDD format:

Temporal Type:
Individual Dates and Times

Dates (one per line):
09/06/2014

Viewing Global Browse

One can view global browse images of products under the **IMAGES** tab at LAADS Web

The screenshot displays the LAADS Web interface. At the top, the NASA logo and "GODDARD SPACE FLIGHT CENTER" are visible. The main header reads "LAADS Web" and "Level 1 and Atmosphere Archive and Distribution System". Below this is a navigation bar with tabs for HOME, DATA, IMAGES (selected), TOOLS, and HELP.

The "Global Browser" section contains search filters: Satellite (Terra), Date (January 2014), Month (Jan), Year (2014), Parameter (Aerosol Optical Depth), and Collection (S1 - MODIS Collection S1 - Selected Atmos and Land Products). An "Update" button is present.

Below the filters, there are links for "Click on the thumbnail image to view a higher resolution image" and "View Help". Navigation arrows for "Previous" and "Next" are also shown.

The main content area is a table with three columns: "Daily", "Eight-Day", and "Monthly". The "Daily" column contains five thumbnails for January 1, 2, 3, 4, and 5, 2014. The "Eight-Day" column contains a single thumbnail for "January 1, 2014 - January 8, 2014". Each thumbnail shows a global map with a color scale for Aerosol Optical Depth, ranging from blue (low) to red (high). Below each thumbnail is a file name and a small icon.

OPeNDAP

- OPeNDAP directory structure same as FTP
- URL based access to all features
 - Variable Subsetting
 - Format Conversion
- Documentation and Examples at
 - <http://ladsweb.nascom.nasa.gov/data/opensdap.html>

Transforming products with OPeNDAP

- Contents of /allData tree shown, latest Collection 5 Aerosol products are in 51/. Clicking on 51/ will take you to a list of all products produced in the C5.1 reprocessing. Once there click on MYDo4_L2/ then the year and day of interest.



The screenshot displays the OPeNDAP web interface. At the top left is the OPeNDAP logo, which includes a blue star and the text "OPeNDAP". Below the logo is a blue header bar with the text "Contents of /allData". The main content area is a table with a single column titled "Name". The table lists several directory paths, each underlined: "Parent Directory/", "1003/", "3000/", "3001/", "3002/", "3100/", "3110/", "3144/", "4/", "404/", "41/", "5/", "51/", "55/", and "6/". The "51/" entry is highlighted with a dashed border. At the bottom of the page, there is a link for "THREDDS Catalog XML" and a blue footer bar containing the text "OPeNDAP Hyrax (1.9.0) Documentation".

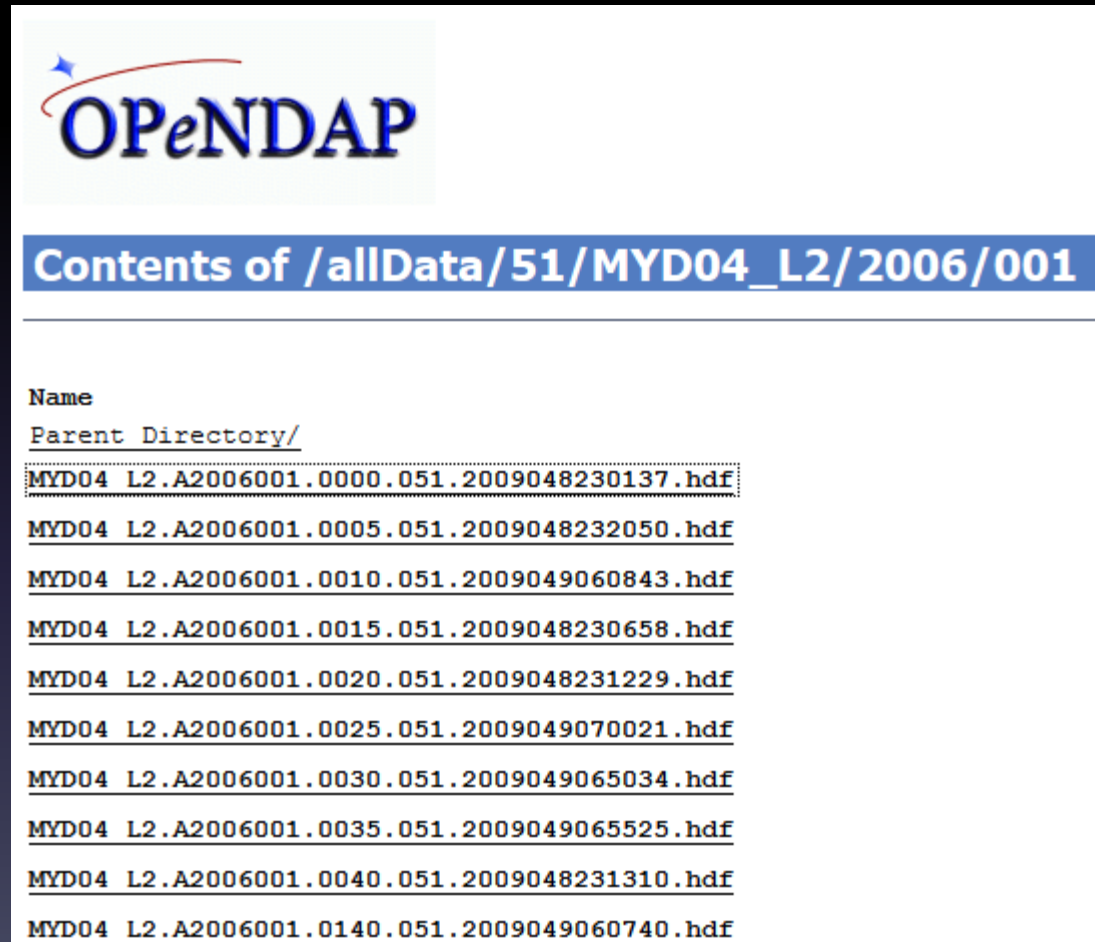
Name
Parent Directory/
1003/
3000/
3001/
3002/
3100/
3110/
3144/
4/
404/
41/
5/
51/
55/
6/

THREDDS Catalog [XML](#)

OPeNDAP Hyrax (1.9.0)
Documentation

OPeNDAP

- Level 2 Aqua Aerosol products (MYD04_L2) from Collection 5.1 reprocessing, acquired on 1/1/2006,
- Click on a file to convert and download



The screenshot displays the OPeNDAP logo at the top left, featuring a blue star and the text "OPeNDAP" in blue. Below the logo is a blue header bar with the text "Contents of /allData/51/MYD04_L2/2006/001" in white. The main content area shows a list of files with the following structure:

Name
Parent Directory/
MYD04_L2.A2006001.0000.051.2009048230137.hdf
MYD04_L2.A2006001.0005.051.2009048232050.hdf
MYD04_L2.A2006001.0010.051.2009049060843.hdf
MYD04_L2.A2006001.0015.051.2009048230658.hdf
MYD04_L2.A2006001.0020.051.2009048231229.hdf
MYD04_L2.A2006001.0025.051.2009049070021.hdf
MYD04_L2.A2006001.0030.051.2009049065034.hdf
MYD04_L2.A2006001.0035.051.2009049065525.hdf
MYD04_L2.A2006001.0040.051.2009048231310.hdf
MYD04_L2.A2006001.0140.051.2009049060740.hdf

OPeNDAP: choosing format and parameters (SDSes)

Once you have selected file(s) you can choose the output format and a subset of the parameters

OPeNDAP

Action:

Data URL:

Global Attributes:

Variables: **MODIS_Band_Land:** Array of 32 bit Integers [MODIS_Band_Land = 0..6]

MODIS_Band_Ocean: Array of 32 bit Integers [MODIS_Band_Ocean = 0..6]

Solution_1_Land: Array of 32 bit Integers [Solution_1_Land = 0..1]

Reverb search

Searching for Aqua MODIS Aerosol products from the Collection 5.1 reprocessing which fall over the United States on 9/6/2014

The screenshot displays the EODIS Reverb search interface. The top navigation bar includes 'EODIS NASA's Earth Observing System Data and Information System' and 'Reverb | ECHO The Next Generation Earth Science Discovery Tool'. The interface is divided into several sections:

- Search Options:** A sidebar on the left containing filters for Spatial (Bounding Box: 19.211, -44.297, 54.327, -136.055), Search Terms (MODIS Aqua Aerosol Collection 5.1), Temporal (Start: 2014-09-06 00:00:00, End: 2014-09-06 23:59:59), Platforms & Instruments (AQUA, MODIS), Campaigns, Processing Levels (2, 3), and Science Keywords.
- Step 1: Select Search Criteria:** A central map area with a 'Spatial Search' panel showing the bounding box and a 'Satellite' dropdown menu. To the right, 'Search Terms' and 'Temporal Search' panels allow for refining the query.
- Step 2: Select Datasets:** A list of search results showing 5 datasets found. The first result is selected: 'MODIS Aqua Aerosol 5-Min L2 Swath 10km V5.1' with Archive Center: LAADS and Shot Name: MYD04_L2.
- Step 3: Discover Granules:** A section at the bottom showing the selected dataset and buttons for 'Search for Granules' and 'Search for Granules By ID'.

Q/A Notification

The screenshot shows the EOSDIS Reverb interface. At the top, it says "EOSDIS NASA's Earth Observing System Data and Information System" and "Reverb | ECHO The Next Generation Earth Science Discovery Tool". The navigation bar includes "EOSDIS Home", "Reverb Home", "About", "Tutorial", "Shopping Cart (0)", "Order Status", "Service Request Status", and "Sign In". The main content area is titled "Step 1: Select Granules" and contains a "Data Quality Summaries for MODIS/Aqua Aerosol 5-Min L2 Swath 10km V005" notification. The notification text is as follows:

MODIS

MODIS DATA AT the Level 1 and Atmosphere Archive and Distribution System (LAADS) <http://ladsweb.nascom.nasa.gov/>

MODIS is described at: <http://modis.gsfc.nasa.gov/>

L1B radiance calibration is described on the MODIS Characterization Support Team (MCST) main page: <http://mcst.gsfc.nasa.gov/>

Atmosphere products are described at: <http://modis-atmos.gsfc.nasa.gov/products.html>

See also: <http://modaps.nascom.nasa.gov/services/>

Last Updated : 2011-01-20T13:22:28+00:00

Accept

The interface also shows search options on the left, including Spatial (Bounding Box: 19.311, -44.297, 2), Search Terms (MODIS Aqua Aert), Temporal (Start: 2014-09-08, End: 2014-09-08), and Platforms/Instruments (AQUA, MODIS). A "Save" button is visible at the bottom left.

Before you get the search results you have to read the Q/A summary information and click accept

Reverb Search Results

Search results shown in List View for the aerosol product. Plus information about the first granule in the list.

The screenshot displays the NASA Reverb search interface. At the top, the NASA logo and 'National Aeronautics and Space Administration' are visible, along with 'EOSDIS NASA's Earth Observing System Data and Information System' and 'Reverb | ECHO The Next Generation Earth Science Discovery Tool'. The page is titled 'Step 1: Select Granules'.

The search results are shown in 'List View'. The first granule is highlighted:

- Granule ID: MYD04_L2.A2014249.1520.051.20142512145
- Start Time: 2014-09-06 15:20:00 UTC
- End Time: 2014-09-06 15:25:00 UTC

A 'Granule Details' pop-up window is open for the selected granule, showing the following information:

- Granule UR:** LAADS:1431884352
- Spatial Extent:** Polygon: Outer Boundary: ((36.286481, -18.702854), (54.584039, -20.681684), (49.387652, -54.374842), ...), Holes: ()
- Temporal Extent:** 2014-09-06T15:20:00.000Z to 2014-09-06T15:25:00.000Z
- Online Access:** ftp://ladsftp.nascom.nasa.gov/allData/51/MYD04_L2/2014/249/MYD04_L2.A2014249.1520.051.2014251214533.hdf
- Online Resources:** <http://modis-atmos.gsfc.nasa.gov/products.html>, http://modis-atmos.gsfc.nasa.gov/products_calendar.html, <http://modis-atmos.gsfc.nasa.gov/validation.html>
- Browse Products:** Two small satellite images showing aerosol concentration over a region.

The left sidebar contains search filters for Spatial Bounding Box, Search Terms, Temporal, Platforms/Instruments/Sensors, and Processing Levels. The bottom of the page shows 'ECHO Degraded Service' and 'Data Downloads from LP DAAC'.

Reverb placing an order

If you submit an order then you will need to enter contact information or sign in. Since this product is available online for download, I canceled this order.

The screenshot displays the EOSDIS (NASA's Earth Observing System Data and Information System) Reverb interface. The page header includes the EOSDIS logo and the Reverb | ECHO logo, with the tagline "The Next Generation Earth Science Discovery Tool". The navigation bar contains links for "EOSDIS Home", "Reverb Home", "About", and "Tutorial". The right side of the header shows "Shopping Cart (1)", "Order Status", "Service Request Status", and "Sign In".

The main content area is divided into several sections:

- Feedback?** A section with a pencil icon and the text "Tell us what you think."
- Availability** A section with a dropdown menu set to "7". It contains two notices: "ECHO Degraded Service" (Wed Sep 10 2014 00:00:00 GMT-0400 to Wed Sep 16 2014 12:00:00 GMT-0400) and "Data Downloads from LP DAAC" (Wed Sep 03 2014 00:00:00 GMT-0400 to Wed Sep 16 2014 21:00:00 GMT-0400).
- Not Logged in (Sign In)** A blue box with a warning icon and the text "Add Contact Information (Required)".
- Ordering 1 item from "MODIS/Aqua Aerosol 5-Min L2 Swath 10km V5.1"** A section with a blue header "Order Options" and a dropdown menu for "Distribution Options" set to "FtpPull". Below this are sections for "Ftp Pull Information" and "Processing Options".
- 1 Item Expand Item List** A section with a link "Remove All Items From Order".
- Do not remove items in this order from the shopping cart** A warning message.
- Buttons:** "Back", "Cancel Order", and "Submit Order".

Reverb Search results in Image View

EOSDIS Home | Reverb Home | About | Tutorial | Shopping Cart (1) | Order Status | Service Request Status | Sign In

Return to dataset results

Search Options Step 1: Select Granules [?]

Spatial
Bounding Box: 19.311, -44.297, 54.327, -136.056


Search Terms
MODIS Aqua Aerosol Collection 5.1

Temporal
Start: 2014-09-06 00:00:00
End: 2014-09-06 23:59:59

Platforms/Instruments/Sensors
Platforms: AQUA
Instruments: MODIS
Sensors: MODIS

Processing Levels
2
3

[Save Query](#)

 **Feedback?**
Tell us what you think.

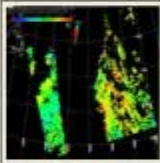
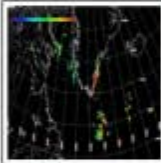
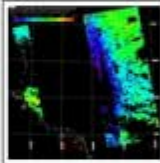
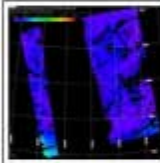
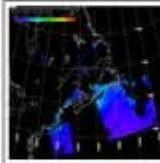
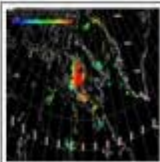
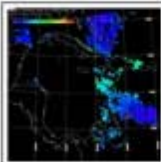
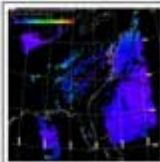
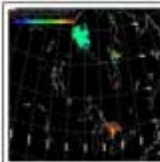
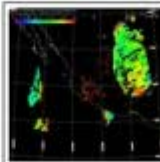
Availability [?]

ECHO Degraded Service
Wed Sep 10 2014 08:00:00 GMT-0400 (Eastern Standard Time) (GMT-4:00) to Wed Sep 10 2014 12:00:00 GMT-0400 (Eastern Standard Time) (GMT-4:00)
[More](#)

View Options: List View | Map View | **Image View** | Timeline View

MODIS/Aqua Aerosol 5-Min L2 Swath 10km V5.1
Short Name: MYD04_L2
[« Back to dataset overview](#)

[Add All to Cart](#) [Add All on This Page to Cart](#)

 MYD04_L2.A2014249.1... 2014-09-06 15:20:00 UTC 2014-09-06 15:25:00 UTC	 MYD04_L2.A2014249.1... 2014-09-06 15:25:00 UTC 2014-09-06 15:30:00 UTC	 MYD04_L2.A2014249.1... 2014-09-06 16:50:00 UTC 2014-09-06 16:55:00 UTC	 MYD04_L2.A2014249.1... 2014-09-06 16:55:00 UTC 2014-09-06 17:00:00 UTC	 MYD04_L2.A2014249.1... 2014-09-06 17:00:00 UTC 2014-09-06 17:05:00 UTC
 MYD04_L2.A2014249.1... 2014-09-06 17:05:00 UTC 2014-09-06 17:10:00 UTC	 MYD04_L2.A2014249.1... 2014-09-06 18:30:00 UTC 2014-09-06 18:35:00 UTC	 MYD04_L2.A2014249.1... 2014-09-06 18:35:00 UTC 2014-09-06 18:40:00 UTC	 MYD04_L2.A2014249.1... 2014-09-06 18:40:00 UTC 2014-09-06 18:45:00 UTC	 MYD04_L2.A2014249.2... 2014-09-06 20:10:00 UTC 2014-09-06 20:15:00 UTC

Earthdata - Worldview

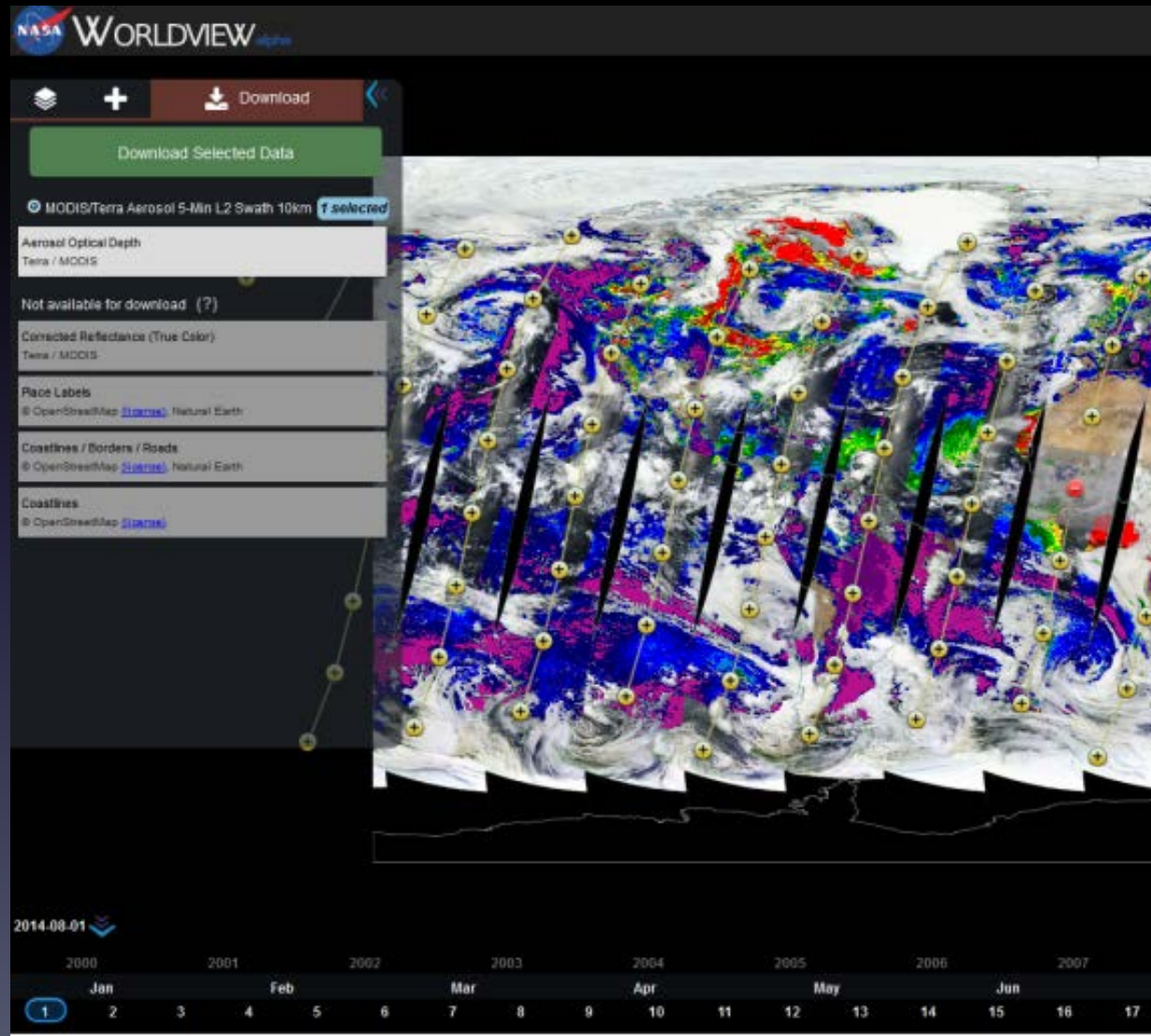
The screenshot displays the Earthdata Worldview interface. On the left, a layer control panel is visible with the following sections:

- Base Layers:**
 - Corrected Reflectance (True Color) Terra / MODIS (checked)
- Overlays:**
 - Place Labels (checked)
 - Coastlines / Borders / Roads (checked)
 - Coastlines (checked)

The main view shows a satellite image of Earth with a timeline at the bottom. The timeline is set to August 2014, with the date '2014-08-01' displayed. The timeline includes years from 2000 to 2009 and days of the month from 1 to 21. The current date is highlighted in blue.

Worldview – download aerosol

Terra Aerosol overlay
on Land Surface
Reflectance 8/1/14.
Yellow circles are
granule centers.
Click on a circle to
download Aerosol
product from LAADS
ftp site



Backup Material on scripting

OPeNDAP Examples

- Retrieve file in NetCDF format
 - <http://ladsweb.nascom.nasa.gov/opendap/allData/<AS>/<ESDT>/<YEAR>/<DOY>/<file>.hdf.nc>

OPeNDAP Examples

- Retrieve file in ASCII format
 - <http://ladsweb.nascom.nasa.gov/opendap/allData/<AS>/<ESDT>/<YEAR>/<DOY>/<file>.hdf.ascii>

OPeNDAP Examples

- Retrieve file in NetCDF format
 - Only include Scan_Offset variable
 - Range [0-4079][0-2707]
 - [http://ladsweb.nascom.nasa.gov/opendap/allData/<AS>/<ESDT>/<YEAR>/<DOY>/<file>.hdf.nc?Scan_Offset\[0:1:4079\]\[0:1:2707\]](http://ladsweb.nascom.nasa.gov/opendap/allData/<AS>/<ESDT>/<YEAR>/<DOY>/<file>.hdf.nc?Scan_Offset[0:1:4079][0:1:2707])

MODAPS Web Services

- URL and SOAP based access to all features
 - Variable Subsetting, Reprojection, Spatial, Temporal or Product searches, etc...
- XML responses for easy parsing
- Full Documentation at
 - http://ladsweb.nascom.nasa.gov/data/web_services.html
- Quick start documentation at
 - <http://ladsweb.nascom.nasa.gov/data/quickstart.html>

MODAPS Web Services Example

- Search for files and get file ID
 - <http://modwebsrv.modaps.eosdis.nasa.gov/axis2/services/MODAPSServices/searchForFiles?<parameters>>
- Get information for file given fileID(s)
 - <http://modwebsrv.modaps.eosdis.nasa.gov/axis2/services/MODAPSServices/getFileProperties?fileIds=<ID1>,<ID2>>
- Get URLs for given file ID(s)
 - <http://modwebsrv.modaps.eosdis.nasa.gov/axis2/services/MODAPSServices/getFileUrls?fileIds=<ID1>,<ID2>>

WCS Example

- Similar to MODAPS Web Services
 - Format conversion, Reprojections, Spatial and Temporal searches
- Utilizes OGC WCS protocol 1.0.0
- Documentation at
 - http://ladsweb.nascom.nasa.gov/data/web_services.html
- Quick Start Guide at
 - http://ladsweb.nascom.nasa.gov/data/wcs_quickstart.html

WCS Example

- Get a list of Coverages for MOD21KM in Collection 5
 - <http://modwebserv.modaps.eosdis.nasa.gov/wcs/5/MOD021KM/getCapabilities?service=WCS&version=1.0.0&request=GetCapabilities>