



# **Land Remote Sensing Data Access Workshop**

**Reverb**

**Use Cases**

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**USGS National Training Center, Building 53, Denver Federal Center, Denver, CO**

**U.S. Department of the Interior**

**U.S. Geological Survey**

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# Reverb Use Cases

## Reverb Use Case 1: Register for an Account

1.1. Open a browser window and navigate to the Reverb site: [reverb.echo.nasa.gov](http://reverb.echo.nasa.gov)



Current supported browsers include:

- Internet Explorer (8.x & 9.x)
- Firefox (3.x)
- Safari (Some button or component placement issues exist.)





The vast majority of the data in Reverb is available to both guest and registered users. However, some registered users may have access to restricted data that cannot be searched or ordered by guest users. The data provider will add your Reverb account to their ACL (access control list) if you need access to restricted data.

- If you would like for your queries, search results and shopping cart to be saved between sessions, then become a registered user by creating a Reverb account.
- Reverb and LP DAAC's GDEX use the NASA EOSDIS User registration System.
- If you have already created an account using the old Warehouse Inventory Search Tool (WIST) interface, you will use the same log in information for Reverb.
- By default you are a guest user when you enter Reverb. On the main search form you have the option of either creating a new account or logging on to an existing Reverb account.

## 1.2. Click the "Sign In" button in the upper right corner



## The Next Generation Earth Science Discovery Tool.

Welcome to Reverb where you can discover and access the NASA's [EOSDIS](#) Earth Science data and services.

### Sign In to Reverb

Username:

Password:

[Need an account?](#)

[Forgot your password or username?](#)

1.3. Then click on the “Need an account” link in the resulting pop up window



The Create an Account form is displayed. Fields marked with an asterisk are required.

Create an Account

required fields:

Account Information

Username\*   
(no more than 30 characters)

Password\*   
(10-40 characters, at least 3 types: uppercase, lowercase, digits, or special characters)

Password confirmation\*

Contact Information

Title

First name\*

Middle initial

Last name\*

Email\*

Domain\*

Organization name\*

Type of user\*

Primary study area\*

Phone

Number\*

Type\*

Business Address

Street\*

City\*

Country\*

Zip

Order Preferences

#### 1.4. Fill out the form accordingly.



The last section will determine when you will receive e-mails from ECHO.

- The default is e-mail notification only when orders fail or are rejected.
- You should also receive order status information from the data center (e.g., LP DAAC) when an order is submitted to ECHO.
- To begin, we recommend users select “Always”. Once you are comfortable with what notifications are sent, you can always modify your account setting to another notification level.

#### 1.5. Click the “Create Account” button when you have finished.

A screenshot of a web form for creating an account. The form is divided into several sections: Password, Contact Information, Phone, Business Address, and Order Preferences. The 'Order Preferences' section at the bottom has a dropdown menu set to 'When orders fail or are rejected'. A yellow circle highlights the 'Create Account' button at the bottom right, with a yellow arrow pointing to it from the left. On the left side of the page, there is a sidebar with various notices and announcements, including 'NSIDC scheduled downtime', 'ASTER GDEM V2 Tutorial', and 'AMSR-E Instrument Failure'.

available  
2011-07-21 7:00AM (GMT-8:00) to (End Date Not Provided)  
More

NSIDC scheduled downtime  
2011-12-14 10:00AM (GMT-8:00) to 2011-12-14 1:00PM (GMT-8:00)  
More

ASTER GDEM V2 Tutorial  
2011-10-17 3:00AM (GMT-8:00) to (End Date Not Provided)  
More

Notice: Missing MODIS

Notices

AMSR-E Instrument Failure  
2011-10-4 7:58AM (GMT-8:00) to (End Date Not Provided)  
More

Release Information

Upcoming Features  
2011-03-24 3:22PM (GMT-8:00)  
An overview of features available in future versions of Reverb.  
More

Password\*   
(10-40 characters, at least 3 types: uppercase, lowercase, digits, or special characters)

Password confirmation\*

Contact Information

Title

First name\*

Middle initial

Last name\*

Email\*

Domain\*

Organization name\*

Type of user\*

Primary study area\*

Phone

Number\*

Type\*

Business Address

Street\*

City\*

Country\*

Zip

Order Preferences

Receive order notifications

Create Account



You will then get this confirmation screen that reports the successful creation of your account.



Please record your user account name at this point. You will need your username and password to sign in to other NASA data access interfaces.

User johndoe was created. You are now ×  
logged in as that user.

This concludes Reverb Use Case 1.

## Reverb Use Case 2: Search and Download Coincident Data

2.1. Open a browser window and navigate to the Reverb site:

reverb.echo.nasa.gov

The screenshot displays the REVERB | ECHO website interface, which is the Next Generation Earth Science Discovery Tool. The page is divided into several sections:

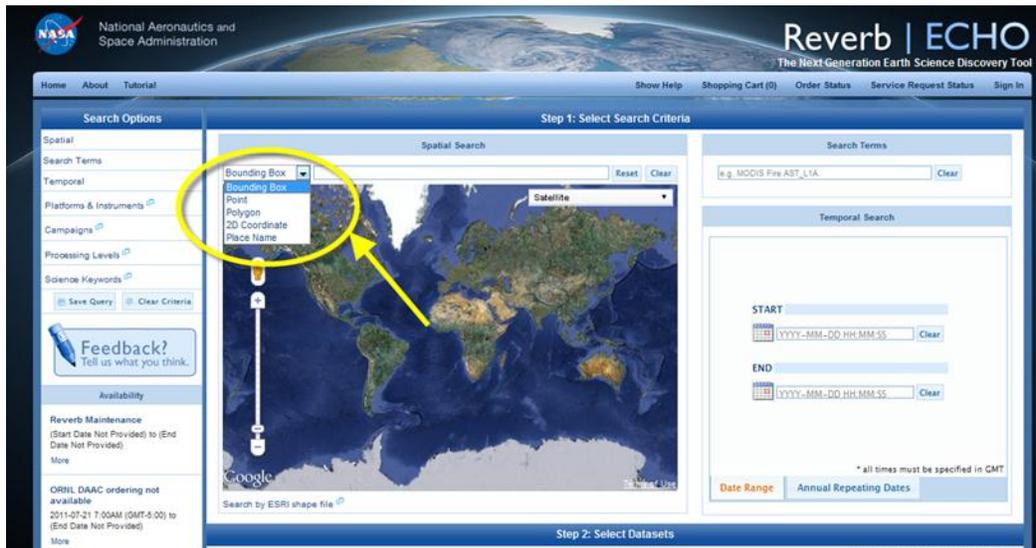
- Header:** Includes the NASA logo, "National Aeronautics and Space Administration", and the site title "REVERB | ECHO The Next Generation Earth Science Discovery Tool".
- Search Options (Left Sidebar):** Contains filters for Spatial, Temporal, Platforms & Instruments, Campaigns, Processing Levels, and Science Keywords. It also includes a "Feedback?" section and an "Availability" section listing various data sources like ORNL, ASTER, and AMSR.
- Step 1: Select Search Criteria:** Features a "Spatial Search" section with a "Bounding Box" dropdown and a "Clear" button. Below this is a world map with a "Click and drag to set a bounding rectangle" instruction. To the right is a "Search Terms" section with a text input field (containing "e.g. MODIS Fire ASD\_15A") and a "Clear" button. Below that is a "Temporal Search" section with "START" and "END" date pickers and a "Date Range" button.
- Step 2: Select Datasets:** A list of datasets is displayed, including:
  - 15 MINUTE STREAM FLOW DATA, USGS (PFE)
  - 2000 Pilot Environmental Sustainability Index (ESI)
  - 2001 Environmental Sustainability Index (ESI)
  - 2002 Environmental Sustainability Index (ESI)
  - 2005 Environmental Sustainability Index (ESI)
  - 2007 Natural Resource Management Index (NRMI)
- Step 3: Discover Granules:** A section at the bottom of the dataset list.



The first step in the search process is called Dataset Discovery.

- The purpose of this page is to identify datasets which are relevant to the user's criteria. The criteria that the user is entering for dataset filtering will translate into granule (i.e., data file) discovery. As filters are chosen, the dataset listing will be modified accordingly. If no are criteria provided, then no filtering will be applied to the granule results.
- Dataset Discovery is a 3 step process.
  - **Step 1: Select Search Criteria;** which allows the user to perform a spatial search, temporal search, enter search terms, and select from a list of additional search option. Completing this step will filter the datasets listing.
  - **Step 2: Select Datasets;** which allows the user to select the datasets, which will be used to discover granules.
  - **Step 3: Discover Granules;** which allows the user to discovery granules based on the information completed in Step 1 & 2.

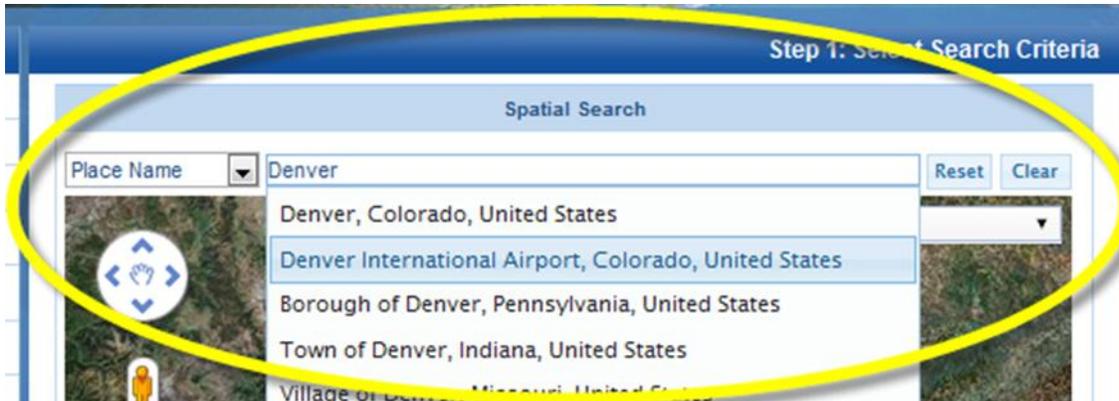
2.2. Begin by selecting an area of interest. Click the drop down menu on the map.



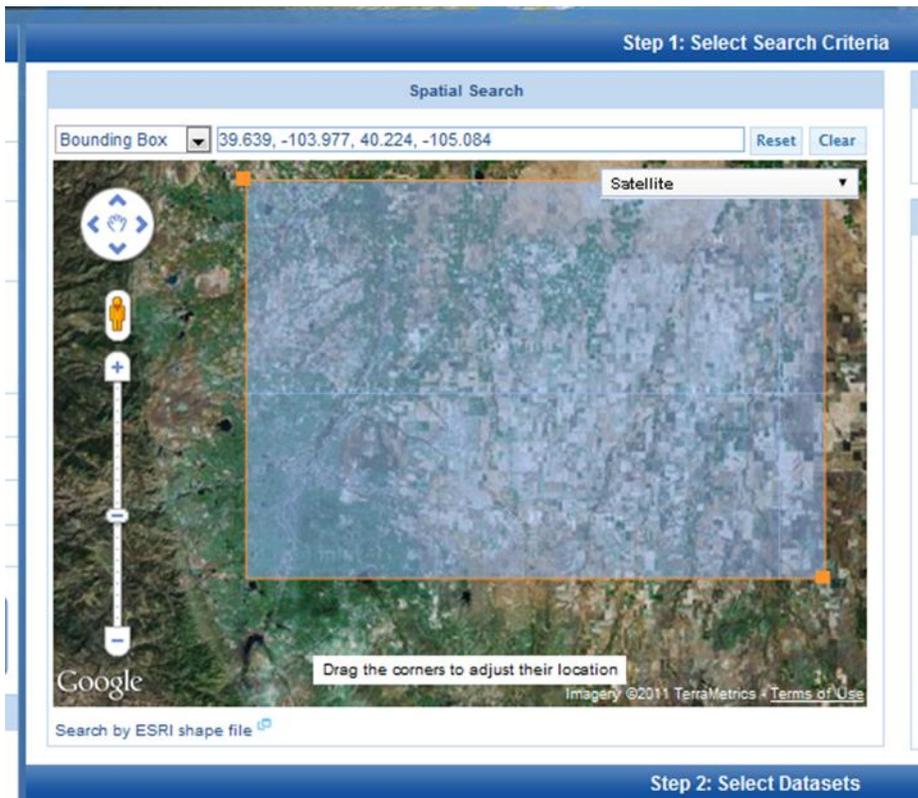
Reverb provides several different spatial search options. They are:

- Bounding Box - allows the user to search for granules within a specific area.
- Point - allows the user to search for granules at a particular point.
- Polygon - allows the user to search for granules based on a plane figure that is bounded by a closed path.
- 2D Coordinates – Data providers specific coordinate systems. Including the MODIS Sinusoidal Tile grid.
- Place Name - allows the user to search for granules by entering a place name.

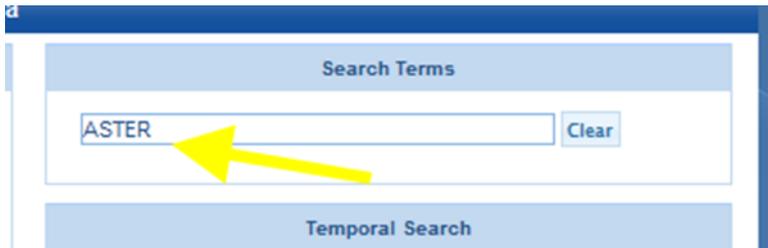
2.3. Make sure “Place Name” is selected. Start typing the word Denver in the search bar and click on Denver International Airport when it appears.



2.4. Make sure “Bounding Box” is selected. Use the scroll wheel to zoom in closer to the Denver Area. Click and drag a box around the city.



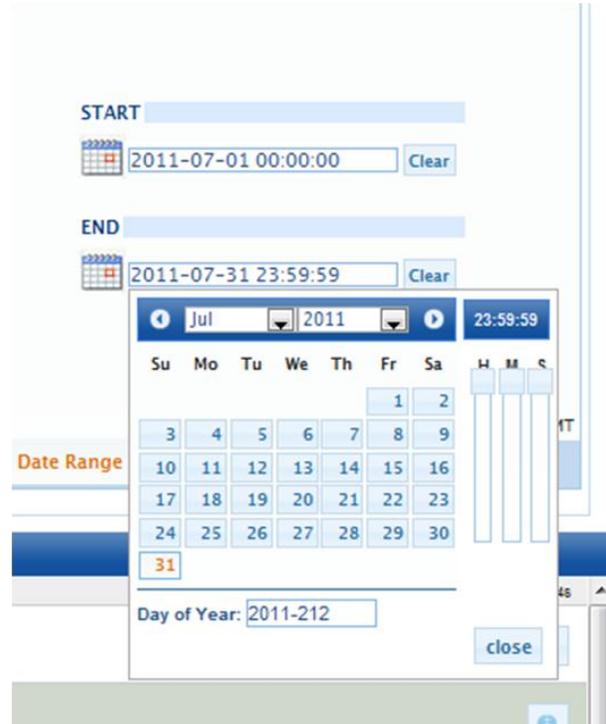
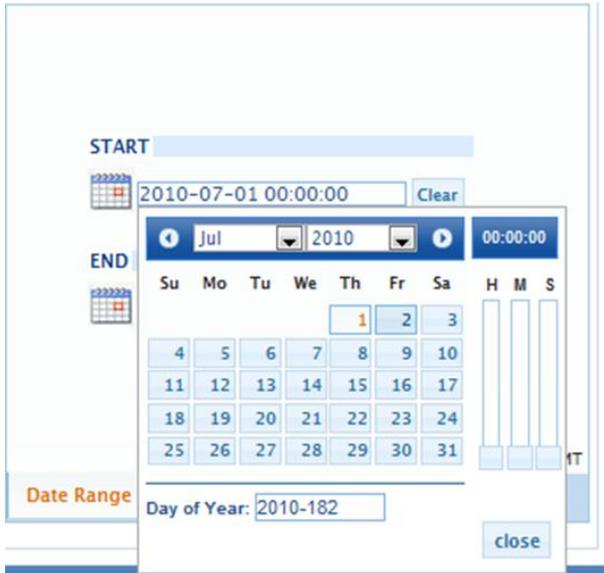
2.5. In the Search terms box, type ASTER.



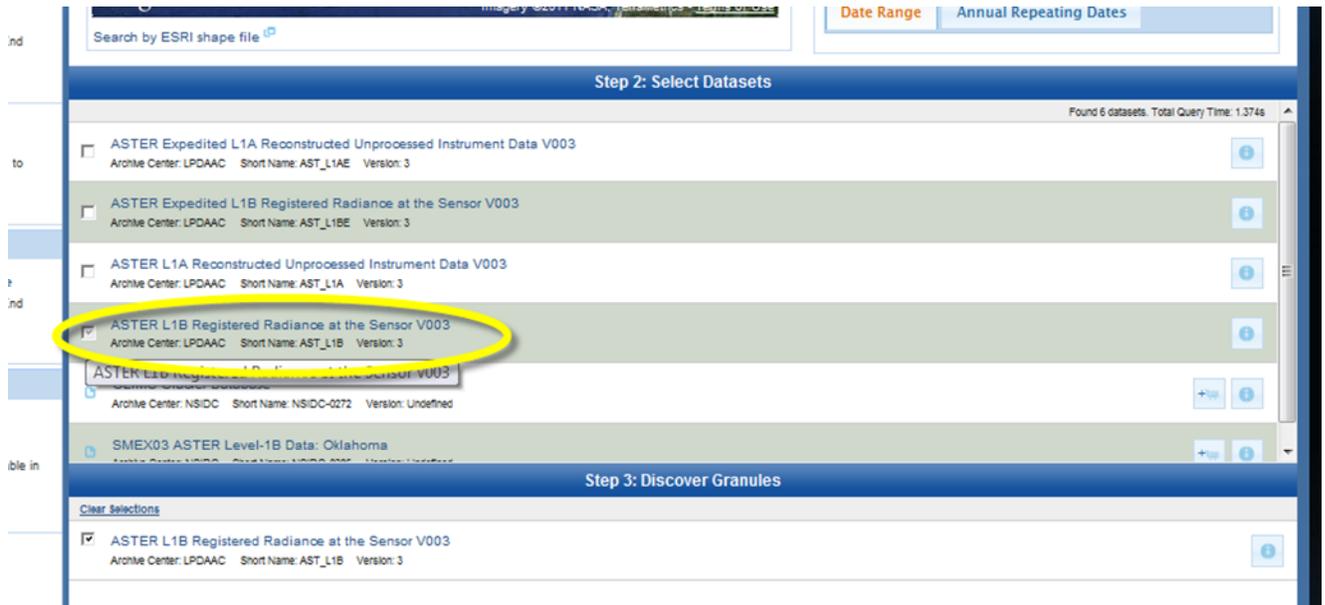
Notice below the map that the available datasets are updating as you constrain your search.



2.6. In the Temporal Search box, Click on the calendar icon to set the start date to July 1<sup>st</sup> 2010, and the end date to July 31<sup>st</sup> 2011.



2.7. Under “Step 2: Select Datasets” you should now see a list of datasets that match the criteria we have entered. Place a check in the box next to ASTER L1B Registered Radiance at the Sensor V003.



Now you will see that the ASTER dataset has been added to “Step 3: Discover Granules.”



2.8. To add more datasets to our search, we need to clear the word ASTER from the search terms box. Now, in the search terms box in the upper right, type the word Fire.

The screenshot displays a web application interface for searching datasets. The interface is divided into several sections:

- Search Options:** Located on the left, it includes fields for Spatial (Denver International Airport, Colorado, United States), Search Terms (ASTER), Temporal (Start: 2011-07-01 00:00:00, End: 2011-07-31 23:59:59), and Science Keywords. It also features a "Feedback?" section and a "Save Query" button.
- Step 1: Select Search Criteria:** This section contains a map of the United States with a red pin at Denver International Airport. It includes a "Place Name" field (Denver International Airport, Colorado, United States) and a "Search Terms" field (ASTER). The "Search Terms" field is highlighted with a yellow circle.
- Step 2: Select Datasets:** This section shows a list of search results, including ASTER Expedited L1A and L1B data, with checkboxes for selection. The results are displayed in a table format with columns for dataset name, Arctik Center, LPDAAC, Short Name, and Version.

Dataset Name	Arctik Center	LPDAAC	Short Name	Version
ASTER Expedited L1A Reconstructed Unprocessed Instrument Data V003	Arctik Center	LPDAAC	AST_L1AE	Version 3
ASTER Expedited L1B Registered Radiance at the Sensor V003	Arctik Center	LPDAAC	AST_L1BE	Version 3
ASTER L1A Reconstructed Unprocessed Instrument Data V003	Arctik Center	LPDAAC	AST_L1A	Version 3
ASTER L1B Registered Radiance at the Sensor V003	Arctik Center	LPDAAC	AST_L1B	Version 3

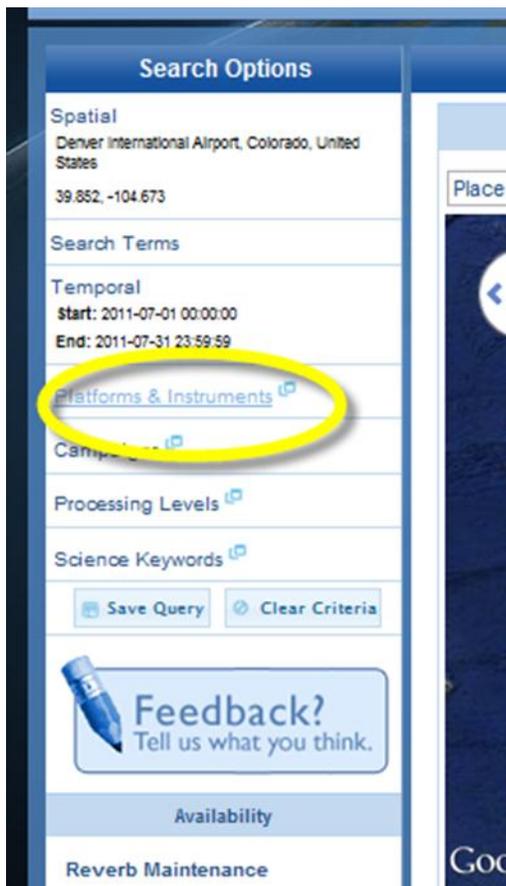


Another way to filter datasets is by the Search Options section on the left panel of the page. Other filters include:

- Platforms & Instruments
- Campaigns
- Processing Levels
- Science Keywords

A screenshot of a web application's search interface. At the top, there are navigation links for 'Home', 'About', and 'Tutorial'. Below this is a 'Search Options' section with a blue header. The options are organized into several categories: 'Spatial' (Denver International Airport, Colorado, United States, 39.852, -104.673), 'Search Terms', 'Temporal' (Start: 2011-07-01 00:00:00, End: 2011-07-31 23:59:59), 'Platforms &amp; Instruments', 'Campaigns', 'Processing Levels', and 'Science Keywords'. Each category has a small blue icon with a plus sign. At the bottom of the search options are two buttons: 'Save Query' and 'Clear Criteria'. Below the search options is a 'Feedback?' section with a blue pencil icon and the text 'Tell us what you think.'. At the very bottom, there is an 'Availability' section with the text 'Reverb Maintenance (Start Date Not Provided) to (End Date Not Provided)'. To the right of the search options is a vertical sidebar with a 'Place Name' input field, a circular navigation pad with four arrows, a person icon, a plus sign, a vertical slider, and a minus sign. At the bottom of the sidebar is the 'Google' logo and the text 'Search by ES'.

2.9. Click on the “Platforms & Instruments” Section.





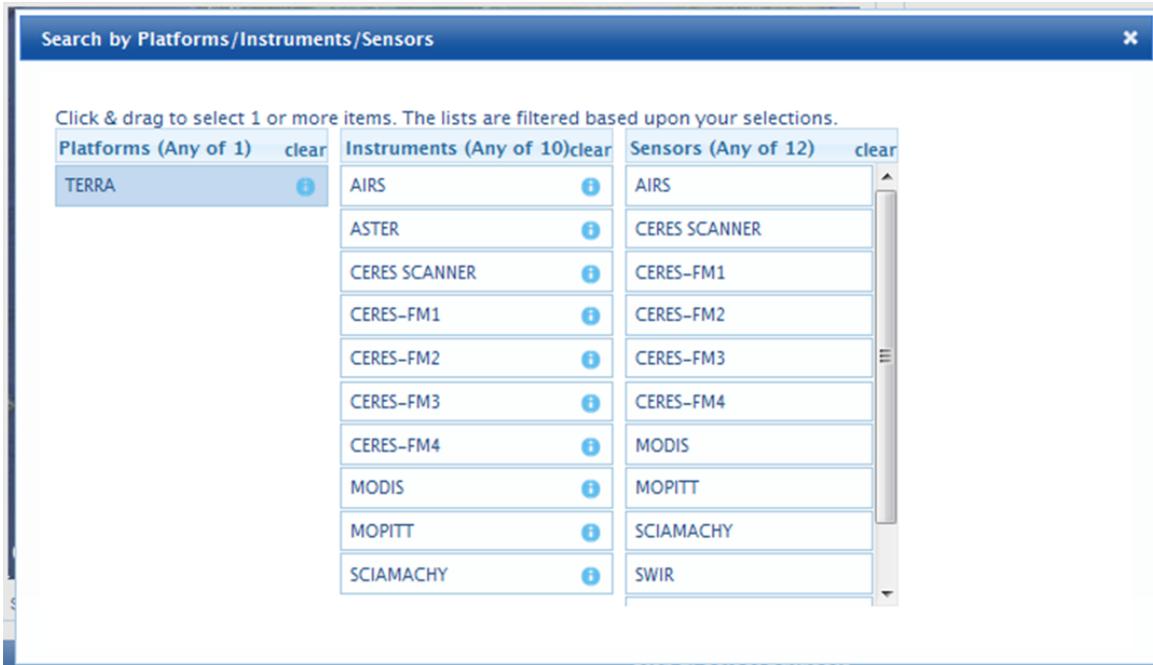
In the resulting pop up box, you will see a listing of platforms, instruments and sensors. Clicking on an item from one list will filter the others.

The screenshot shows a web application interface for a spatial search. At the top, there is a 'Spatial Search' section with a 'Place Name' dropdown set to 'Denver International Airport, Colorado, United States' and buttons for 'Reset' and 'Clear'. To the right, a 'Search Terms' field contains 'e.g. MODIS Fire AST\_L1A'. A central pop-up window titled 'Search by Platforms/Instruments/Sensors' is open, displaying three columns of items:

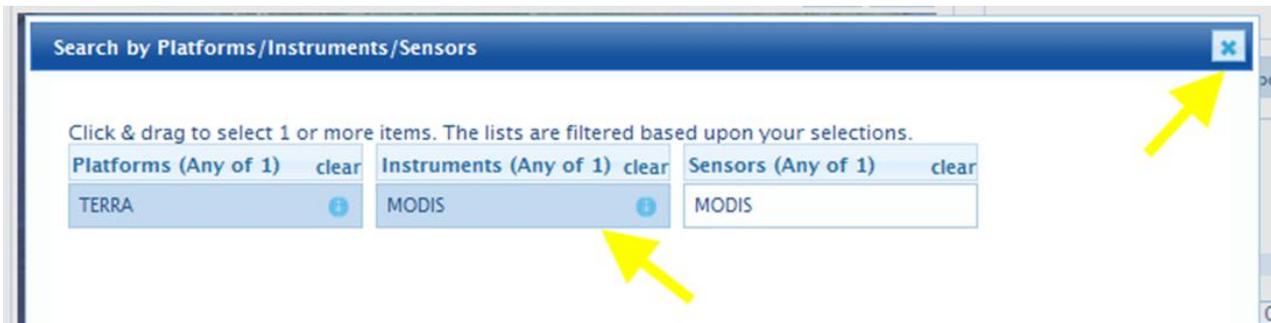
Platforms (Any of 165) clear	Instruments (Any of 359) clear	Sensors (Any of 410) clear
ACRIMSAT	2DVD	2.3UM RADIOMETER
ADEOS-II	AA	2.4UM RADIOMETER
AEM-2	AAS	2DVD
AERIAL PHOTOGRAPH	AATSR	3FP
AERO COMMANDER	ACCELEROMETER	4.7UM RADIOMETER
AEROSONDE	ACRIM	AA
AIRCRAFT	ACTIVE CAVITY RADIOMETER	AAS
AIRSAR	AERI	AATSR
ALOS	AEROSOL COLLECTOR	ACCELEROMETER
ALTUS	AEROSOL	ACR

Below the pop-up, the main interface shows a list of search results, including '2000 Pilot Environmental Sustainability Index (ESI)' and '2001 Environmental Sustainability Index (ESI)'. The bottom right corner indicates 'Found 1319 datasets'.

2.10. Scroll down in the list of platforms and find “TERRA”. Click on the section to update the lists of instruments and sensors.



2.11. Click on the MODIS section on the instruments column. Then click the x in the upper right to close the pop up.



2.12. Under Step 2: Select Datasets, Check the box next to the MODIS/Terra Thermal Anomalies/Fire Daily L3 Global SIN Grid V005.

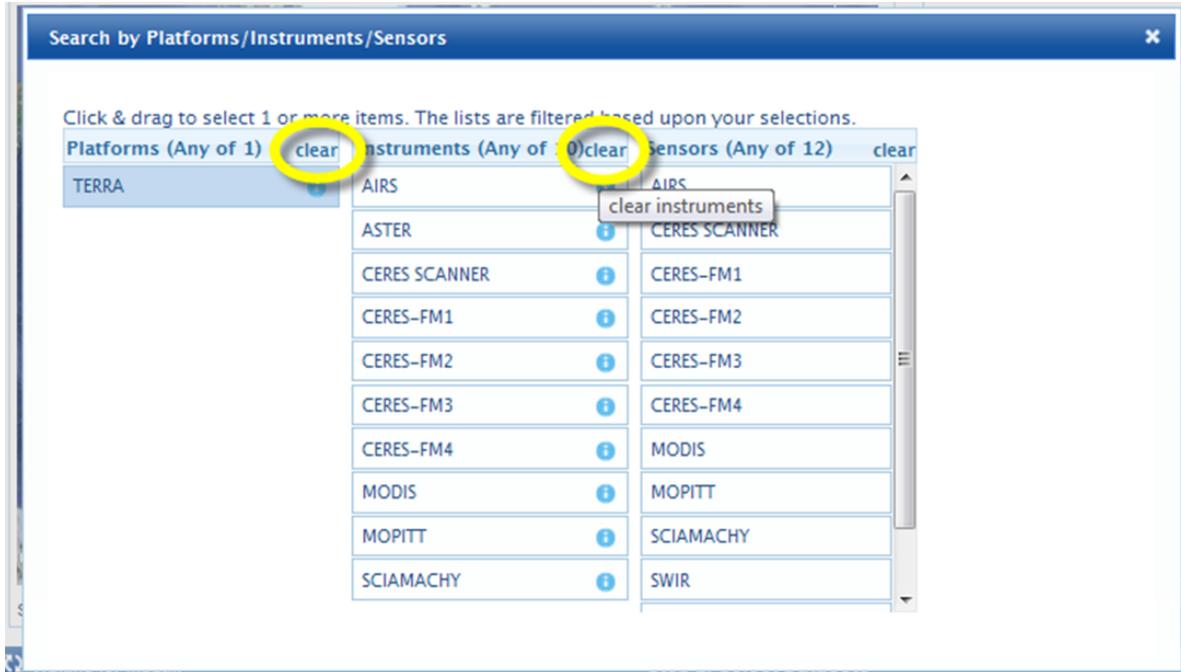
The screenshot displays a web interface for dataset selection, divided into three main sections: Availability, Step 2: Select Datasets, and Step 3: Discover Granules.

**Availability:** This section contains several notices and release information, including "Reverb Maintenance", "ORNL DAAC ordering not available", "AMSR-E Instrument Failure", and "Upcoming Features".

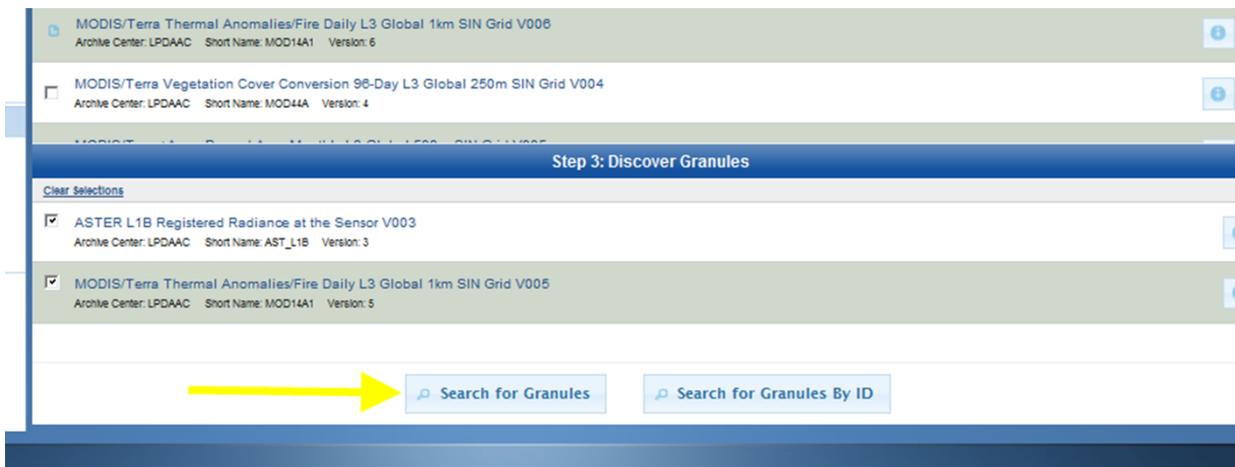
**Step 2: Select Datasets:** This section lists several datasets. The dataset "MODIS/Terra Thermal Anomalies/Fire Daily L3 Global 1km SIN Grid V005" is highlighted with a yellow oval, and a yellow arrow points to its checkbox, which is currently unchecked. Other datasets listed include "MODIS/Terra Thermal Anomalies/Fire 3-Day L3 Global 1km SIN Grid V006", "MODIS/Terra Thermal Anomalies/Fire Daily L3 Global 1km SIN Grid V003", "MODIS/Terra Thermal Anomalies/Fire Daily L3 Global 1km SIN Grid V004", "MODIS/Terra Thermal Anomalies/Fire Daily L3 Global 1km SIN Grid V006", "MODIS/Terra Thermal Anomalies/Fire Daily L3 Global 1km SIN Grid V008", and "MODIS/Terra Vegetation Cover Conversion 96-Day L3 Global 250m SIN Grid V004".

**Step 3: Discover Granules:** This section shows the selected datasets. The dataset "MODIS/Terra Thermal Anomalies/Fire Daily L3 Global 1km SIN Grid V005" is selected, indicated by a checked checkbox. Other datasets listed include "ASTER L1B Registered Radiance at the Sensor V003".

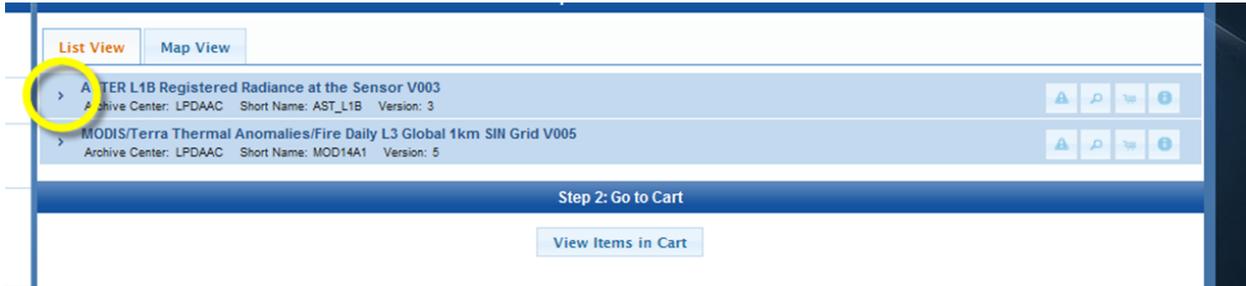
2.13. Now clear the word “Fire” from the search terms box. Click the “Platforms & Instruments” section and clear the inputs entered there as well.



2.14. Now click the “Search for Granules” button at the bottom of the page.



2.15. The next screen displays the results of your search. Both datasets are listed but are collapsed. The default view is “List View.” To see the granules returned for each dataset, click the arrow to the left of the ASTER product.



After you click the arrow, if there are any Data Quality summaries for that dataset, they will be displayed.

- Data Quality Summaries provide important notices about data.

2.16. Once you have read the information, click the “Accept” button in the lower right corner.

**Data Quality Summaries for ASTER L1B Registered Radiance at the Sensor V003**

**ASTER\_L1A\_L1B**

The LP DAAC provides general access to all archived ASTER L1B scenes/granules over the US and US Territories, ASTER L1A & L1B Expedited products, and the ASTER Global Digital Elevation model at no-cost. The on-demand products, such as the Level 1A, The higher-level products and L1B over international areas of interest are available only to approved users via an application process. More information on the application process and qualifications is available on the [ASTER Policies Page](#) under the heading Data Access for NASA Approved Users. Otherwise, the on-demand data products are available through [Japan's ERSDAC WWW IMS Interface](#) at a cost. Please contact [LP DAAC User Services](#) for additional information.

ASTER DATA PRODUCTS:  
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ASTER data products are all validated. Before using any ASTER data product, the appropriate Product Release Notes as well as the metadata contained within the granule should be consulted. Release Notes for each product may be found at: [http://asterweb.jpl.nasa.gov/data\\_products.asp](http://asterweb.jpl.nasa.gov/data_products.asp)

IMPORTANT: Before placing your order, please review the browse image for cloud cover by clicking on the Info (i) icon in the granule results listing. The cloud cover amount shown may occasionally be inaccurate due to discrepancies in the cloud cover calculations.

*Last Updated : Thu Jun 09 19:43:09 UTC 2011*



2.17. Once you have acknowledged a data quality summary, it will not pop up automatically again. If you would like to see the summary again, click the triangle with the “i” button in the dataset row.



Home About Tutorial Show Help Shopping Cart (0) Order Status Service Request Status Account Sign Out (lemigkelly)

Return to dataset results

Search Options

Spatial  
Bounding Box:  
39.639, -103.977, 40.224, -105.064

Temporal  
Start: 2010-07-01 00:00:00  
End: 2011-07-31 23:59:59

Save Query

Feedback?  
Tell us what you think.

Availability

Reverb Maintenance  
(Start Date Not Provided) to (End Date Not Provided)  
More

ORNL DAAC ordering not available  
2011-07-21 7:00AM (GMT-5:00) to (End Date Not Provided)  
More

Notices

AMSR-E Instrument Failure  
(Start Date Not Provided) to (End Date Not Provided)  
More

Release Information

Upcoming Features  
2011-03-24 3:22PM (GMT-5:00)  
An overview of features available in future versions of Reverb.  
More

Step 1: Select Granules

List View Map View

ASTER L1B Registered Radiance at the Sensor V003  
Archive Center: LPDAAC Short Name: AST\_L1B Version: 3

Save Granule Results

Showing 1 to 9 of 12 granules Total Query Time: 1.743

Granule ID	Start Time	End Time	Online Access	Browse	All
AST_L1B_00307082010175441_20100831071445_26792.hdf	2010-07-08 17:54:41 UTC	2010-07-08 17:54:41 UTC	✓	✓	🔍
AST_L1B_00307082010175450_20100831071455_26825.hdf	2010-07-08 17:54:50 UTC	2010-07-08 17:54:50 UTC	✓	✓	🔍
AST_L1B_00307082010175459_20100831061316_4263.hdf	2010-07-08 17:54:59 UTC	2010-07-08 17:54:59 UTC	✓	✓	🔍
AST_L1B_00307152010180049_20100831011503_26050.hdf	2010-07-15 18:00:49 UTC	2010-07-15 18:00:49 UTC	✓	✓	🔍
AST_L1B_00307152010180058_20100831011513_26122.hdf	2010-07-15 18:00:58 UTC	2010-07-15 18:00:58 UTC	✓	✓	🔍
AST_L1B_00309112010045924_20100925152049_23055.hdf	2010-09-11 04:59:24 UTC	2010-09-11 04:59:24 UTC	✓	✓	🔍
AST_L1B_00309112010045933_20100925151757_21338.hdf	2010-09-11 04:59:33 UTC	2010-09-11 04:59:33 UTC	✓	✓	🔍
AST_L1B_00309112010045942_20100925151726_21021.hdf	2010-09-11 04:59:42 UTC	2010-09-11 04:59:42 UTC	✓	✓	🔍
AST_L1B_00309172010180038_20100925211831_26485.hdf	2010-09-17 18:00:38 UTC	2010-09-17 18:00:38 UTC	✓	✓	🔍

Step 2: Go to Cart

View Items in Cart

MODIS/Terra Thermal Anomalies/Fire Daily L3 Global 1km SIN Grid V005  
Archive Center: LPDAAC Short Name: MOD14A1 Version: 5

2.18. The ASTER granules matching our search should now be displayed. Repeat the previous steps to expand the MODIS dataset.



At this point, there are a few different ways to sort your granule results. The following is a listing of the functions on this page:



- In the dataset bar, there are 4 buttons. The first brings up the Data Quality Summary, the Magnifying glass brings up more search options such as band availability, the Shopping cart button in this location adds the entire dataset to the cart, and the info button loads a pop up box with additional metadata information.
- Save granule results -  This button will create a .csv file that includes all results from the search.

Showing 1 to 9 of 29,452 granules Total Query Time: 40.590

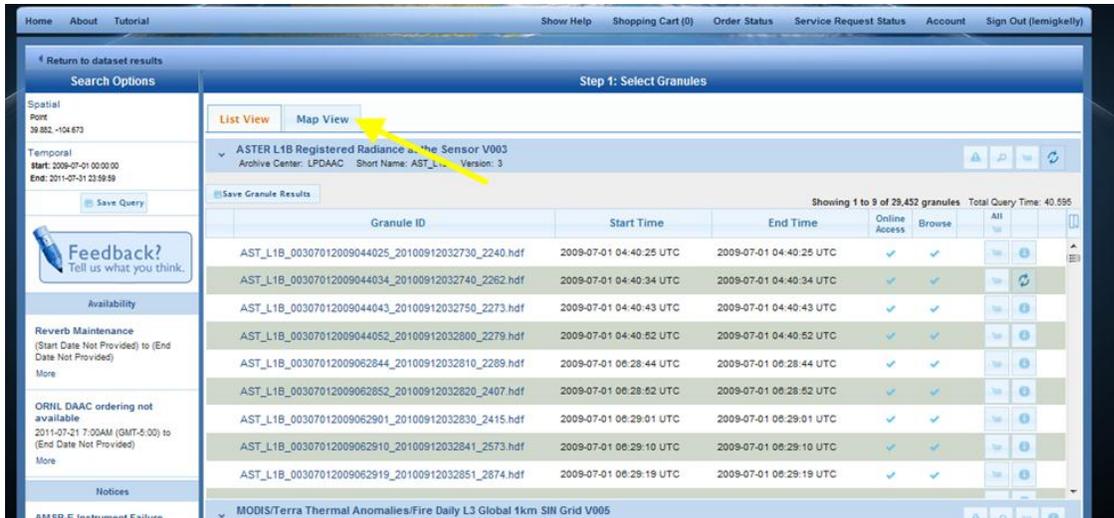
Granule ID	Start Time	End Time	Online Access	Browse	All		
AST_L1B_00307012009044025_20100912032730_2240.hdf	2009-07-01 04:40:25 UTC	2009-07-01 04:40:25 UTC	✓	✓			
AST_L1B_00307012009044034_20100912032740_2262.hdf	2009-07-01 04:40:34 UTC	2009-07-01 04:40:34 UTC	✓	✓			



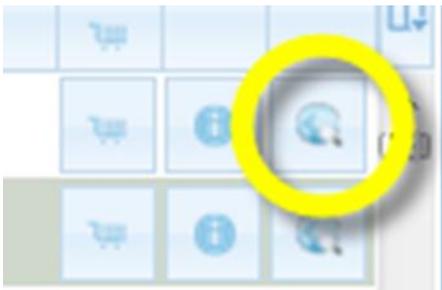
Under the granules section, there is an option to add all granules returned in the search (up to 2000 at a time) by clicking the button with the shopping basket and the word “All”. Otherwise, clicking the shopping cart next to each individual granule will add items to your cart.

- There is also an info button for each individual granule. This will load in a pop up window and shows information such as the granule metadata and the online access urls. You can click on the online access link if it is available and download individual granules this way if you prefer.

2.19. Now that you are familiar with all of the options for the list view, click on the Map View tab.



This view shows a map at the top, and the granules below. You will also notice a new button in the granule rows. This button loads a footprint of the scene on the map so you can view the coverage. Click on the button that looks like a globe with a magnifying glass for the first granule.



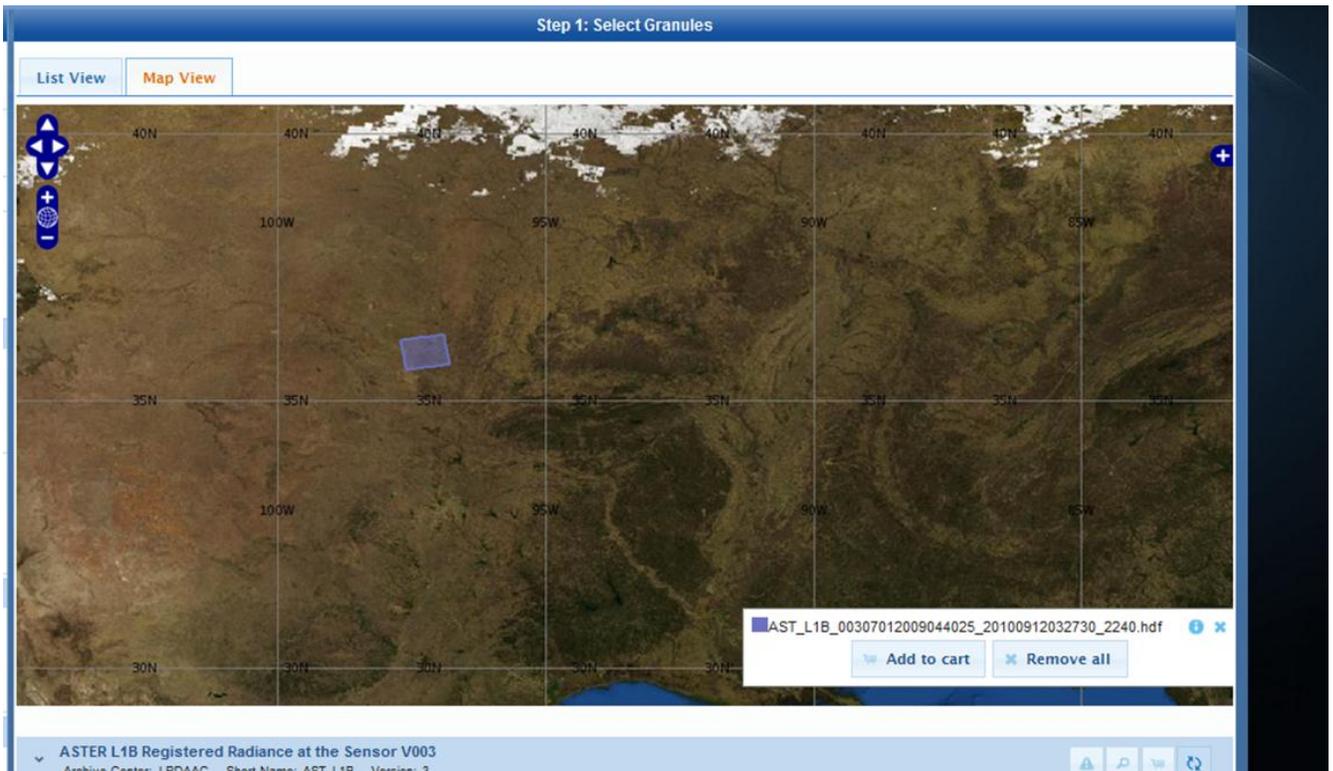


Notice that the button changed color. This helps you locate the footprint on the map. You will also notice a legend has appeared on the map. This is to help you quickly add those granules to the cart, or remove them from view when you have scrolled through a long list of granules.

The screenshot displays a web application interface for viewing satellite data. At the top, there are two tabs: 'List View' and 'Map View'. The 'Map View' is active, showing a world map with a grid. A yellow arrow points to a specific footprint on the map in the Pacific Ocean. Below the map, there is a legend for the selected granule, showing its ID and buttons for 'Add to cart' and 'Remove all'. Below the legend, there is a table of granules. A yellow arrow points to the first row of the table, which corresponds to the footprint on the map. The table has columns for Granule ID, Start Time, End Time, Online Access, Browse, and a set of icons for actions like 'Add to cart' and 'Remove all'. The table shows 9 granules out of a total of 29,452. The first row is highlighted in green.

Granule ID	Start Time	End Time	Online Access	Browse	Actions
AST_L1B_00307012009044025_20100912032730_2240.hdf	2009-07-01 04:40:25 UTC	2009-07-01 04:40:25 UTC	✓	✓	[Add to cart] [Remove all] [Info] [Download]
AST_L1B_00307012009044034_20100912032740_2262.hdf	2009-07-01 04:40:34 UTC	2009-07-01 04:40:34 UTC	✓	✓	[Add to cart] [Remove all] [Info] [Download]
AST_L1B_00307012009044043_20100912032750_2273.hdf	2009-07-01 04:40:43 UTC	2009-07-01 04:40:43 UTC	✓	✓	[Add to cart] [Remove all] [Info] [Download]
AST_L1B_00307012009044052_20100912032800_2279.hdf	2009-07-01 04:40:52 UTC	2009-07-01 04:40:52 UTC	✓	✓	[Add to cart] [Remove all] [Info] [Download]
AST_L1B_00307012009062844_20100912032810_2289.hdf	2009-07-01 06:28:44 UTC	2009-07-01 06:28:44 UTC	✓	✓	[Add to cart] [Remove all] [Info] [Download]
AST_L1B_00307012009062852_20100912032820_2407.hdf	2009-07-01 06:28:52 UTC	2009-07-01 06:28:52 UTC	✓	✓	[Add to cart] [Remove all] [Info] [Download]

2.20. Click on the map in the area of Denver and scroll in to see the footprint.



2.21. Scroll through the ASTER granules and add a few more to the map. Notice how each granule gets its own color.

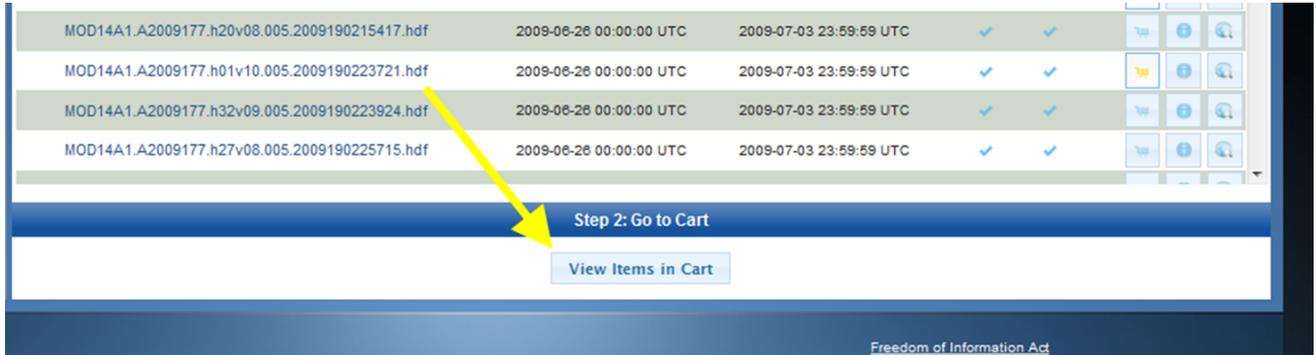
2.22. Now scroll through the MODIS granules and add a few of them to the map.



Notice as you are scrolling that Reverb loads more granules dynamically. Once the granule is loaded on the page, it will not need to be re-loaded as you continue scrolling.

2.23. Now let's start adding some granules to the cart. Click the cart icon for 3 granules each of the ASTER and MODIS.

2.24. Next click the View items in cart button at the bottom of the page.



2.25. Now click the “Order” button at the bottom of the page.

Feedback? Tell us what you think.

Availability

ASDC NASA Langley Maintenance Event  
2012-02-1 8:00AM (GMT-5:00) to 2012-03-9 6:00AM (GMT-5:00)  
More

ASTER GDEM V2 Tutorial  
2011-10-17 3:00AM (GMT-5:00) to (End Date Not Provided)  
More

Notices

AMSR-E Instrument Failure  
2011-10-4 7:58AM (GMT-5:00) to (End Date Not Provided)  
More

Release Information

Upcoming Features  
2011-03-24 3:22PM (GMT-5:00)

Remove	Item	Orderable	Downloadable	Services Available
X	MOD14A1_A2000057.h31v13.005.2006269111049.hdf	Yes	Yes	N/A
X	MOD14A1_A2000057.h25v05.005.2006269024025.hdf	Yes	Yes	N/A
X	MOD14A1_A2000057.h30v05.005.2006269165757.hdf	Yes	Yes	N/A
X	AST_L1B_00303102000192459_20110112132508_21123.hdf	Yes	Yes	N/A
X	AST_L1B_00303102000192450_20110112133405_27324.hdf	Yes	Yes	N/A
X	AST_L1B_00303102000192432_20110112133126_24511.hdf	Yes	Yes	N/A
X	AST_L1B_00303102000192414_20110112132416_20559.hdf	Yes	Yes	N/A
X	AST_L1B_00303082000212039_20110112133044_24101.hdf	Yes	Yes	N/A
X	MOD14A1_A2000057.h32v12.005.2006269113508.hdf	Yes	Yes	N/A
X	MOD14A1_A2000057.h32v08.005.2006269170836.hdf	Yes	Yes	N/A
X	AST_L1B_00303082000212048_20110112133054_24311.hdf	Yes	Yes	N/A

The following operations apply to all items currently in your cart.

Order Download Perform Service

2.26. Verify your contact information is correct and click the “Proceed” button at the bottom of the page.

← Back Cancel Order Proceed →

2.27. On the order options page, you will need to set the options for each granule.

Select the “Set” button next to the first Aster granule.

The screenshot shows the 'Order Options' page for a NASA data order. On the left, there are navigation tabs: 'Availability', 'Notices', and 'Release Information'. The 'Availability' tab is active, showing two items: 'ASDC NASA Langley Maintenance Event' and 'ASTER GDEM V2 Tutorial'. The 'Notices' tab shows 'AMSR-E Instrument Failure'. The 'Release Information' tab shows 'Upcoming Features'. The main content area is titled 'Order Items' and lists several granules. Each granule entry includes a file ID, a description, and an 'Order Options (Not Set and Required):' section with a dropdown menu and a 'set' button. A yellow arrow points to the 'set' button for the first Aster granule, 'AST\_L1B\_00303102000192459\_20110112132506\_21123.hdf'.

Granule ID	Description	Order Options (Not Set and Required)
MOD14A1.A2000057.h25v05.005.2006269024025.hdf	MOD14A1.A2000057.h25v05.005.2006269024025.hdf	Delivery Option [v] set
MOD14A1.A2000057.h30v05.005.2006269165757.hdf	MOD14A1.A2000057.h30v05.005.2006269165757.hdf	Delivery Option [v] set
AST_L1B_00303102000192459_20110112132506_21123.hdf	AST_L1B_00303102000192459_20110112132506_21123.hdf	set ←
AST_L1B_00303102000192450_20110112133405_27324.hdf	AST_L1B_00303102000192450_20110112133405_27324.hdf	set
AST_L1B_00303102000192432_20110112133126_24511.hdf	AST_L1B_00303102000192432_20110112133126_24511.hdf	set
AST_L1B_00303102000192414_20110112132416_20559.hdf	AST_L1B_00303102000192414_20110112132416_20559.hdf	set

2.28. In the pop up box, make sure the “Use these values for all applicable order items” box is checked.

The screenshot shows a dialog box titled "AST\_L1B\_US\_v1" with a close button (X) in the top right corner. The dialog is divided into two main sections: "Distribution Options" and "Processing Options".

**Distribution Options:**

- Media Type: FTP Pull (dropdown menu)
- FTP Pull Media Format: File (dropdown menu)

**Processing Options:**

- Product Name: AST\_L1B
- Long Name: ASTER L1B Registered Radiance at the Sensor
- Granule Size: 116.310000
- Data Format: HDF-EOS (dropdown menu)

At the bottom of the dialog, there is a checkbox labeled "Use these values for all applicable order items" which is checked. A yellow arrow points to this checkbox. To the right of the checkbox are two buttons: "Save" and "Cancel".

2.29. Then click “Save.”

2.30. All of the ASTER granules should now show a check mark next to order options.

Repeat this process for the first MODIS scene

Contact Information > Order Options

### Order Items

MOD14A1.A2000057.h25v05.005.2006269024025.hdf

MOD14A1.A2000057.h25v05.005.2006269024025.hdf

Order Options (Not Set and Required): Delivery Option  ←

MOD14A1.A2000057.h30v05.005.2006269165757.hdf

MOD14A1.A2000057.h30v05.005.2006269165757.hdf

Order Options (Not Set and Required): Delivery Option

AST\_L1B\_00303102000192459\_20110112132506\_21123.hdf

AST\_L1B\_00303102000192459\_20110112132506\_21123.hdf

Order Options (✓):

AST\_L1B\_00303102000192450\_20110112133405\_27324.hdf

AST\_L1B\_00303102000192450\_20110112133405\_27324.hdf

Order Options (✓):

2.31. In the pop up box, make sure the “Use these values for all applicable order items” box is checked.

Delivery Option [X]

### Distribution Options

Media Type: Ftp Pull

Ftp Pull Media Format: File

Use these values for all applicable order items

→

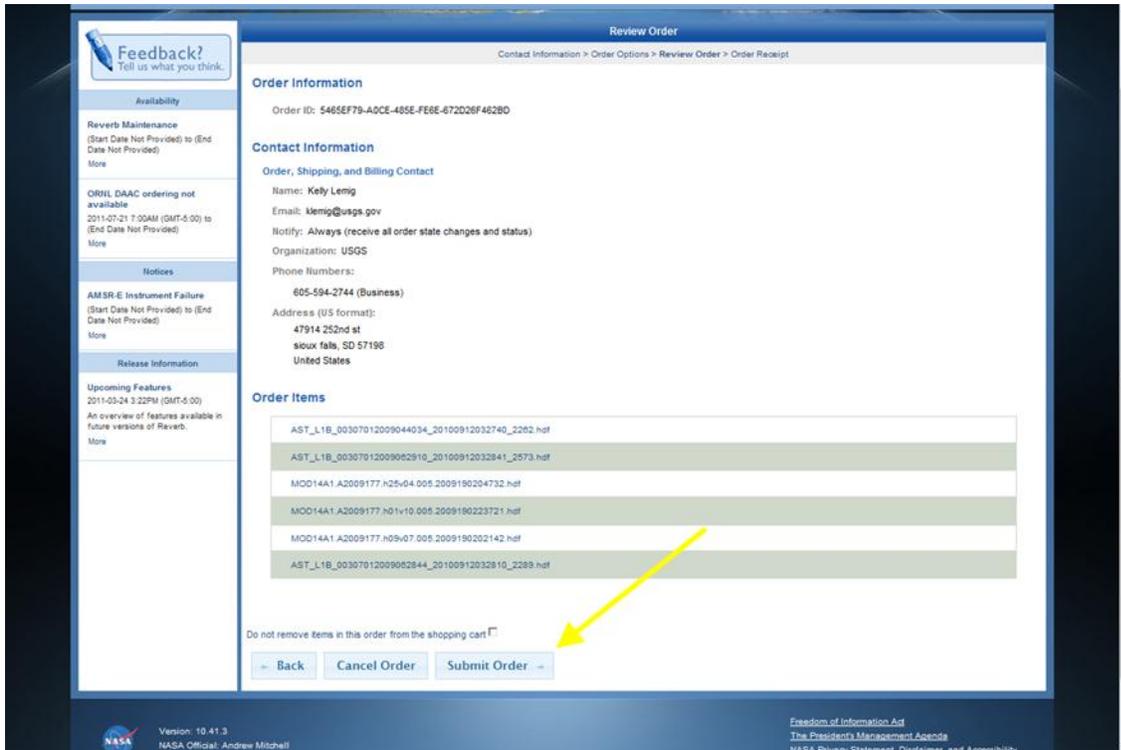
2.32. Make sure all products have a check in the “Order Options” space. Then click the proceed button on the bottom of the page.

The screenshot displays a web interface for managing order items. At the top, there is a header for 'Order Items'. Below this, a list of items is shown, each with a unique identifier and a set of order options. The items are:

- AST\_L1B\_00307012009044034\_20100912032740\_2262.hdf: Order Options (✓): AST\_L1B\_US [dropdown] [change]
- AST\_L1B\_00307012009062910\_20100912032841\_2573.hdf: Order Options (✓): AST\_L1B\_US [dropdown] [change]
- MOD14A1.A2009177.h25v04.005.2009190204732.hdf: Order Options (✓): Delivery Option [dropdown] [change]
- MOD14A1.A2009177.h01v10.005.2009190223721.hdf: Order Options (✓): Delivery Option [dropdown] [change]
- MOD14A1.A2009177.h09v07.005.2009190202142.hdf: Order Options (✓): Delivery Option [dropdown] [change]
- AST\_L1B\_00307012009062844\_20100912032810\_2289.hdf: Order Options (✓): AST\_L1B\_US [dropdown] [change]

At the bottom of the page, there are three buttons: 'Back' (with a left arrow), 'Cancel Order', and 'Proceed' (with a right arrow). A yellow arrow points to the 'Proceed' button.

2.33. You now have the opportunity to review your order. If everything is correct, select the “Submit Order” button at the bottom of the page.



This concludes Reverb Use Case 2.