Searching for Granules

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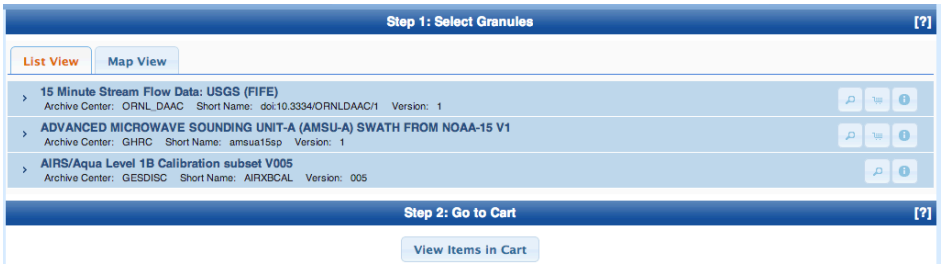
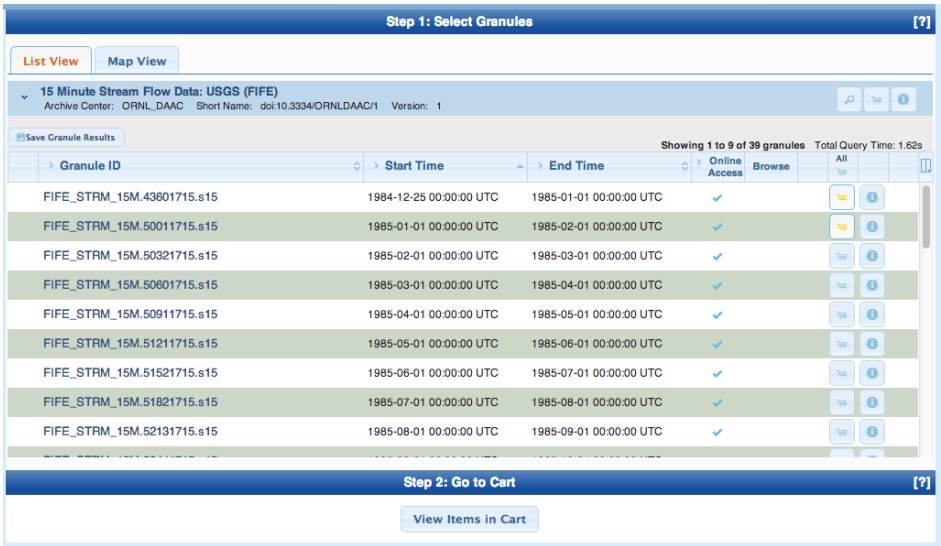
Overview

Granules shown are based on the selections made by the user on the main page. If a single dataset was selected during Dataset Discovery, the granules from that dataset will be shown, 9 at a time in a scrollable list a shown

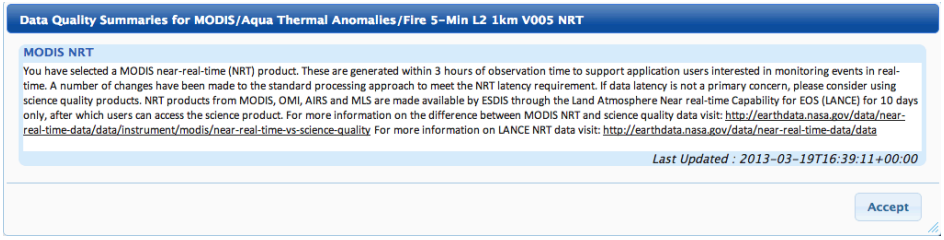


If multiple datasets were selected, the granules are grouped by parent dataset as shown.



Data Quality Summaries

Some datasets have associated quality information. This is displayed the first time a dataset's granules are viewed. **Be sure to read over these summaries and use the data accordingly.** On ce you accept the data quality summary, it will no show up again. To view the data quality summary (if available) for a dataset at a later time, you can always click the Data Quality Summary icon ( ) in the dataset title bar.

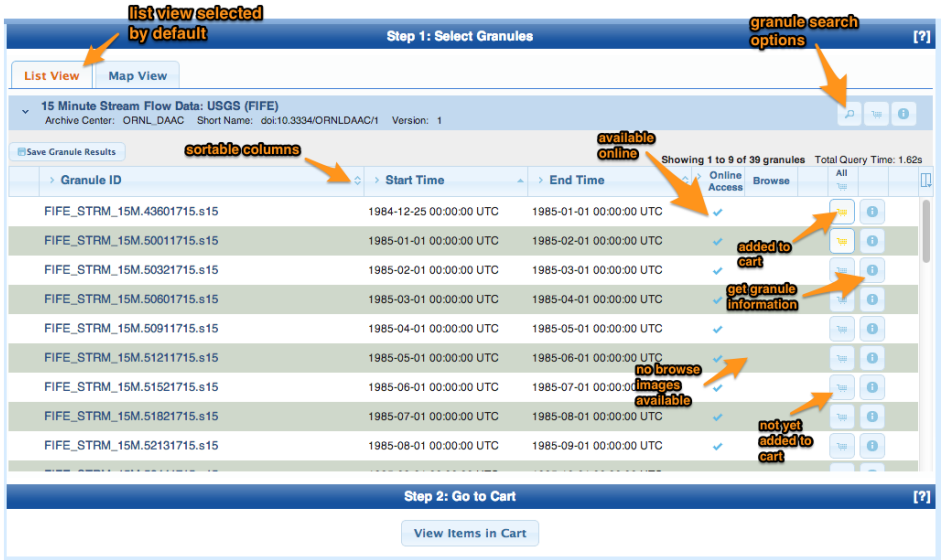


Annotated Granule Results Views

The screenshot below walks you through various parts of the Granule Results screen. By default **List View** tab is selected view granules in a list. When a dataset is selected, Reverb will perform a granule search. Select the granules by clicking the **Shopping Cart** icon. After selecting the shopping cart icon to add a granule to the cart, re-clicking the icon will remove the granule from the cart. Each granule's **Granule ID, Start Time,** and **End Time** fields are shown. You can sort by these columns by clicking on the header. The check under the **Online Access** column indicates the granule is accessible online (via FTP or HTTP). The check under the **Browse** column indicates there is browse data for the granule.

There are also additional search options available at the granule level. See the section on **Refining Your Search with 'More Search Options'** below for more information this.

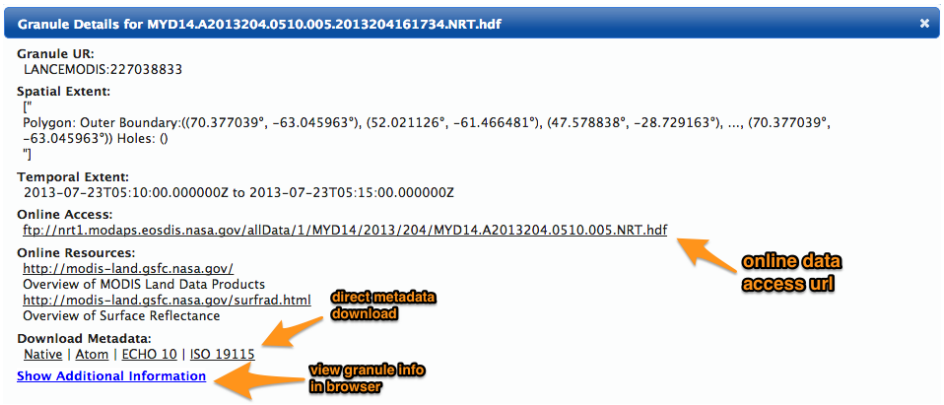
List View



Granule Information View

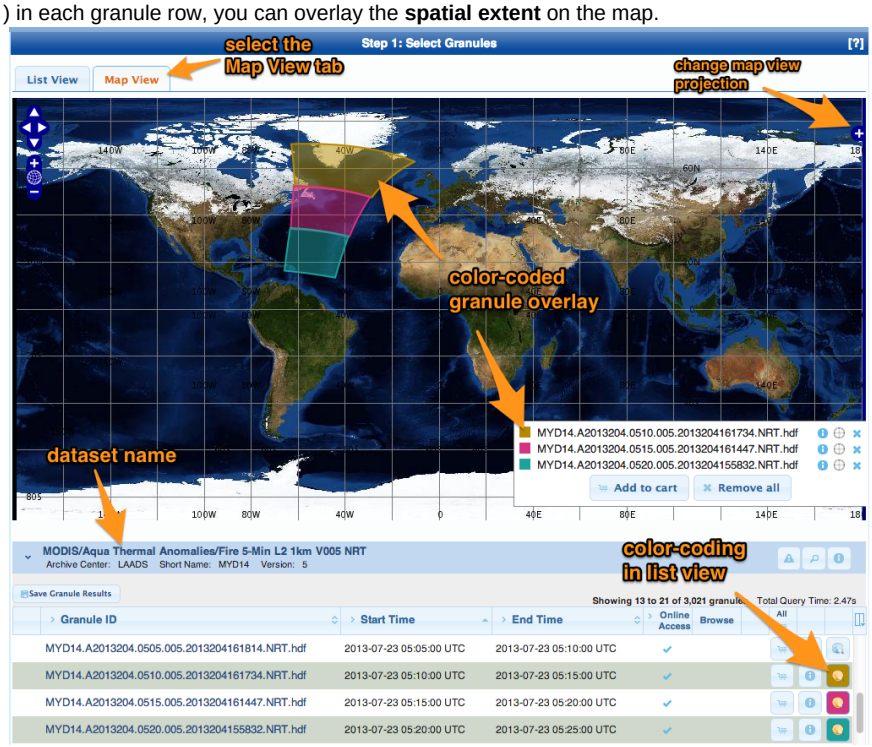
When you click on the information icon (

) for an individual granule, you will be presented with a dialog similar to the following. This shows the **Granule UR, Temporal and Spatial Extents** for the granule as well as links to retrieve the granule **data** and its **metadata** in a variety of formats (e.g. ECHO10, ISO19115 and atom). You can also look at more information fields by clicking the **Show Additional Information** link near the bottom of the entry.

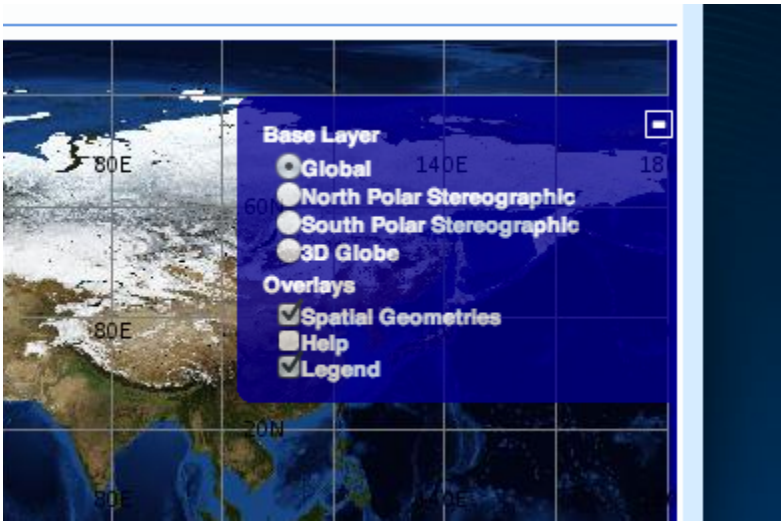


Map View

You can also view specific granules' spatial extent overlaid on a map using the **Map View** tab. When clicking on the globe icon (
) in each granule row, you can overlay the **spatial extent** on the map.



You can switch between map projections by clicking the small plus icon in the upper right corner of the map. Look at the image for supported projection and other overlays.



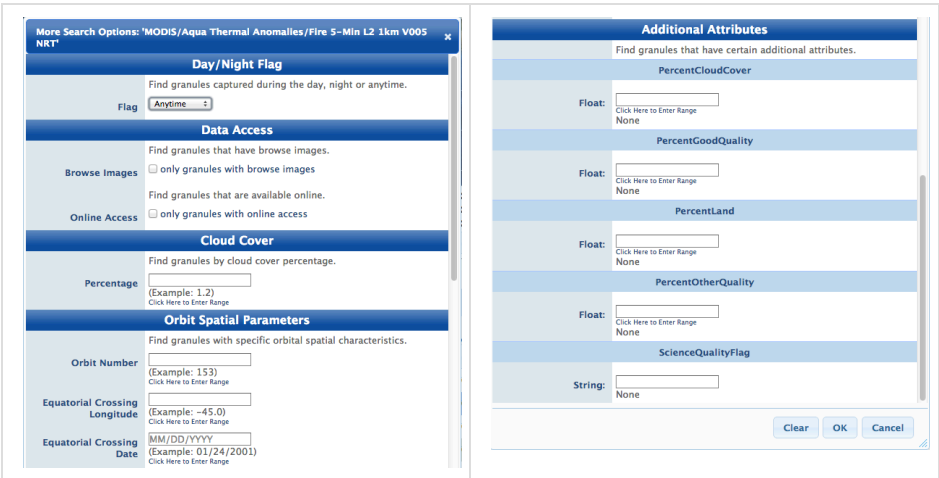
Refining Your Search with 'More Search Options'

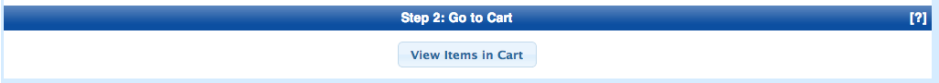
Sometimes granules have specific attributes that may be selected when trying to filter search results. The **More Search Options** dialog box allows you to perform this filtering. This can be accessed by clicking on the search icon (

) in the dataset title. The options include:

- **Day/Night Flag,** find granules captured during the day, night or anytime by selecting from the drop down menu.
- **Data Access,** find granule that has only browse images and/or granules with only online access. Click the appropriate box.
- **Cloud Cover,** find granules by cloud cover percentage. Enter the percentage into the box. User can also enter a percentage range by clicking the link under the box and typing the ranging to the boxes.
- **Orbit Spatial Parameters,** find granules with specific orbital spatial characteristics. Users can enter the Orbital Number, Equatorial Crossing Longitude and/or the Equatorial Crossing Date. Users can also enter the range for each field by clicking the link under the box and typing the ranging to the boxes.
- **Dataset Specific Additional Attributes,** some datasets have additional attributes or product specific attributes (**PSAs**) that can be searched for among the granules included in the dataset. These parameters vary, but can be used as search criteria. Look at the **image on the right** to see some sample PSAs available for search in one of ECHO's near-real-time metadata holdings.

To apply these options to your granule results, click **OK** at the bottom of the dialog.



Accessing the Shopping Cart

The items in the cart have been automatically updated with granules as the user clicked the shopping cart item. To view items, select **View Items in Cart**. To find out more about the Shopping Cart, click here.