Dataminer User's Guide

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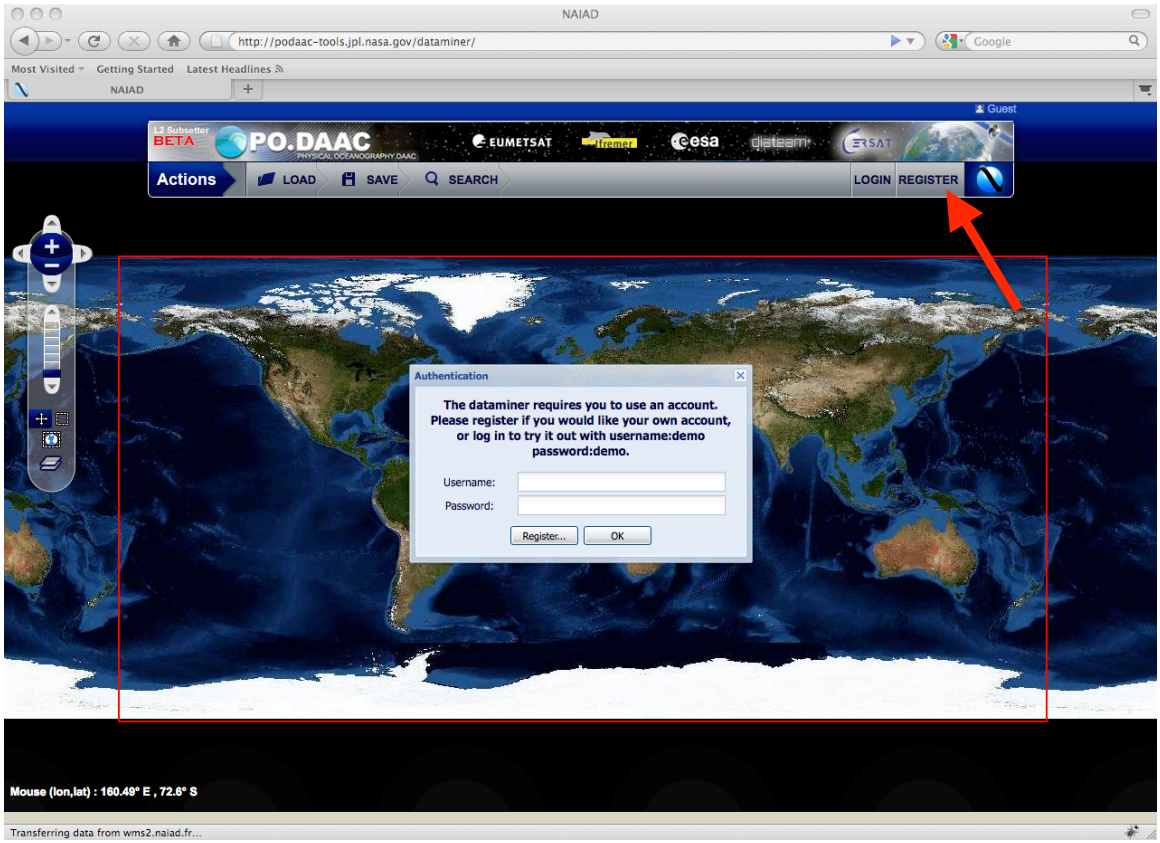
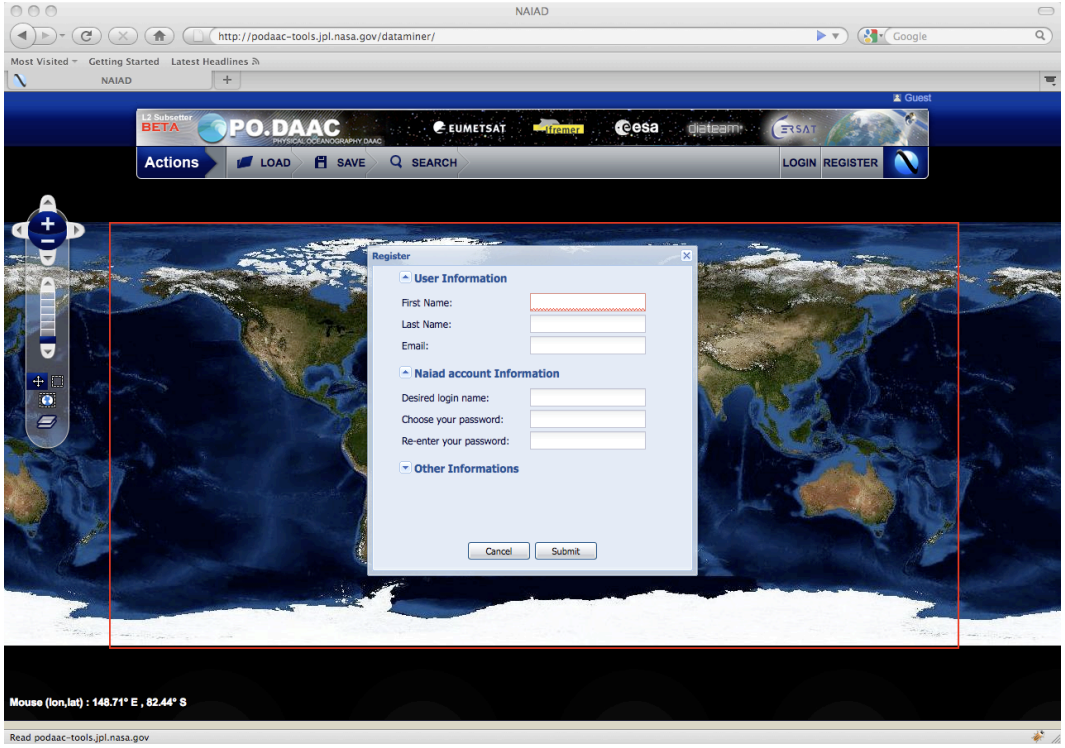
The purpose of this document is to provide new users with some **basic** guidance on using Dataminer for searching and subsetting PO.DAAC Level 2 swath data. Only the basic necessary information will be covered here. Send your questions or comments to **naiad@lapinta.jpl.nasa.gov**.

Login and Registration

Visit http://podaac-tools.jpl.nasa.gov/dataminer/ to begin,



You can login using our demo account (username/password:demo), or click the Register button to sign up for your own account. You'll need an account to be able to save your searches, and your email will be remembered so you don't have to type it in every time you want to download data.

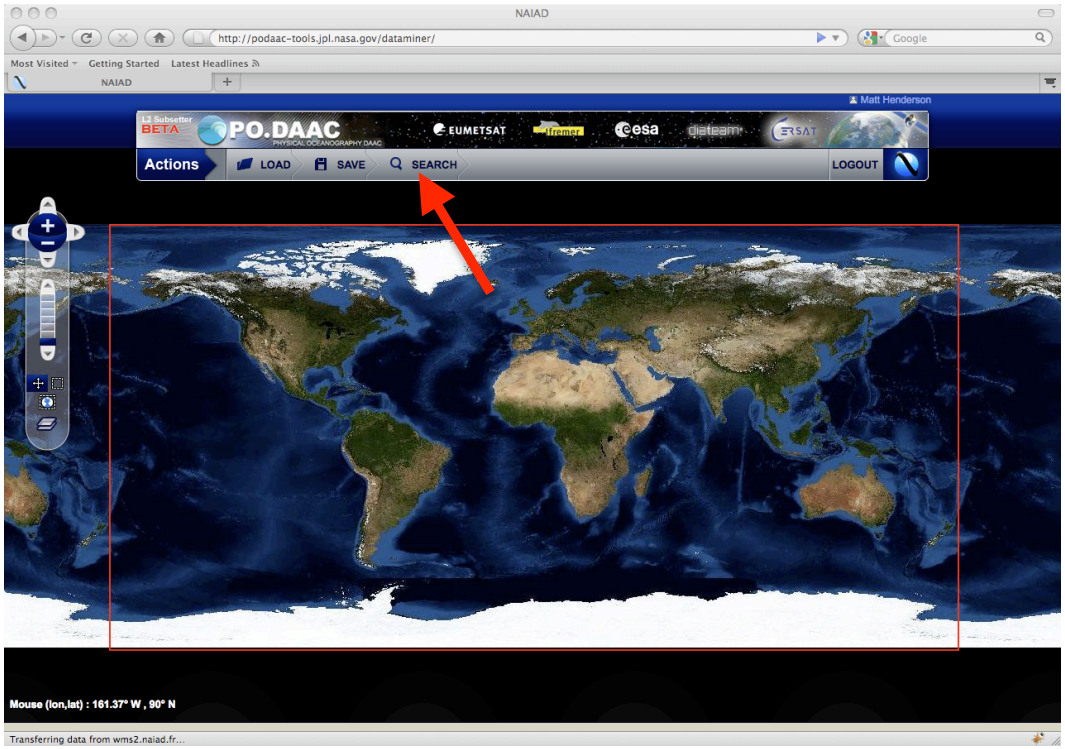


Make sure you provide a valid email address to be able to receive automated emails when jobs are completed. These emails contain the URL you need to download your data.

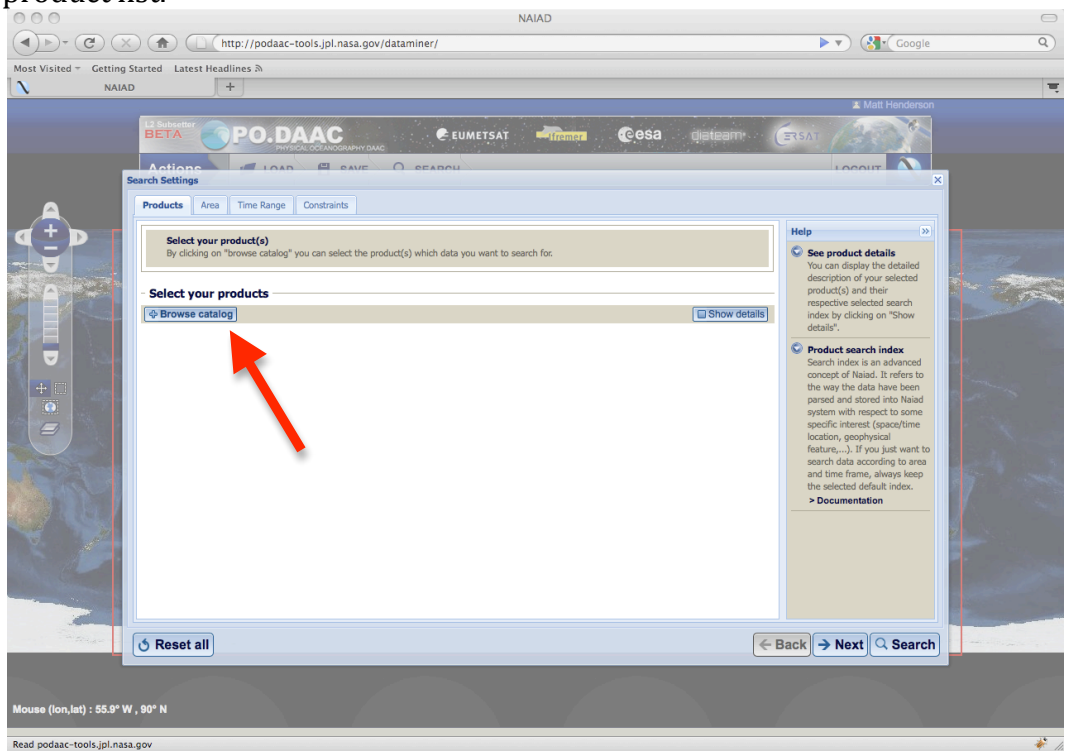
Note: passwords must contain no fewer than 6 characters

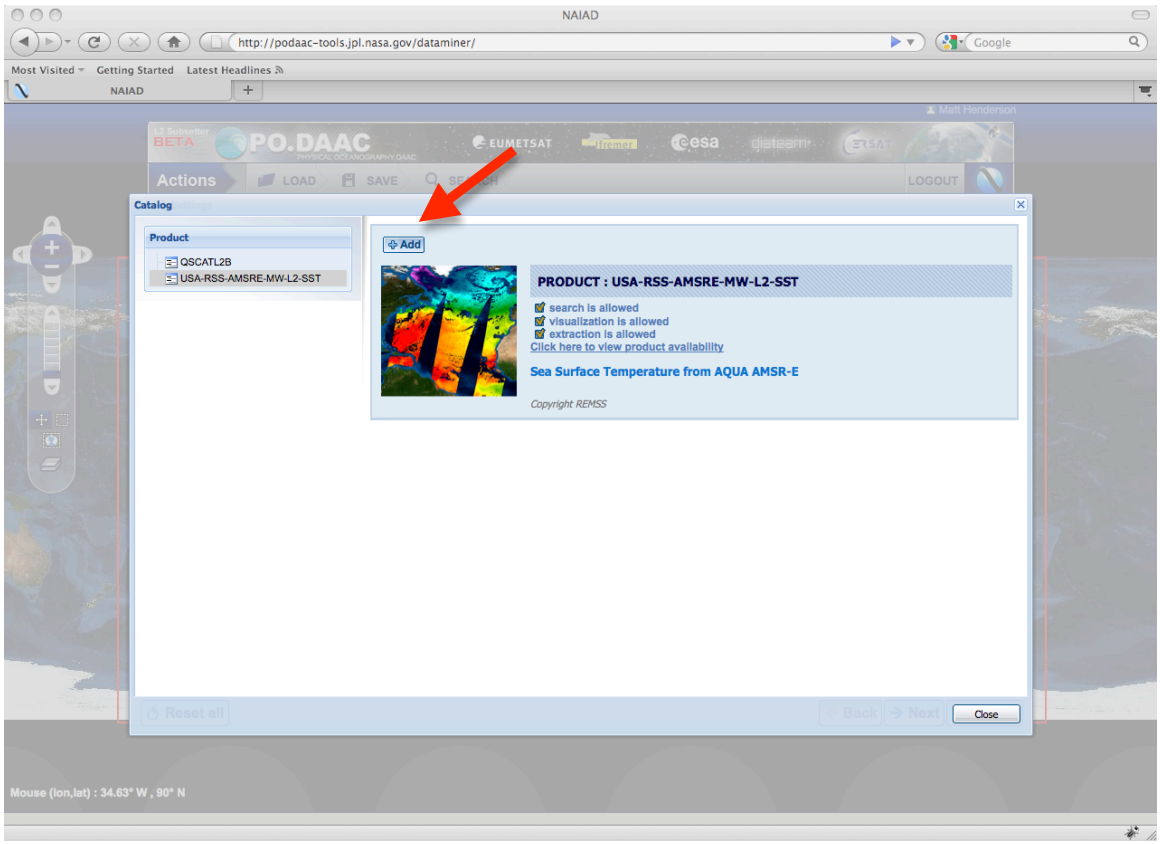
Searching for data.

Start by clicking the Search button.



Now we'll start defining what we want to search for by picking which products we're interested in getting data from. Click the browse catalog button to see the product list.

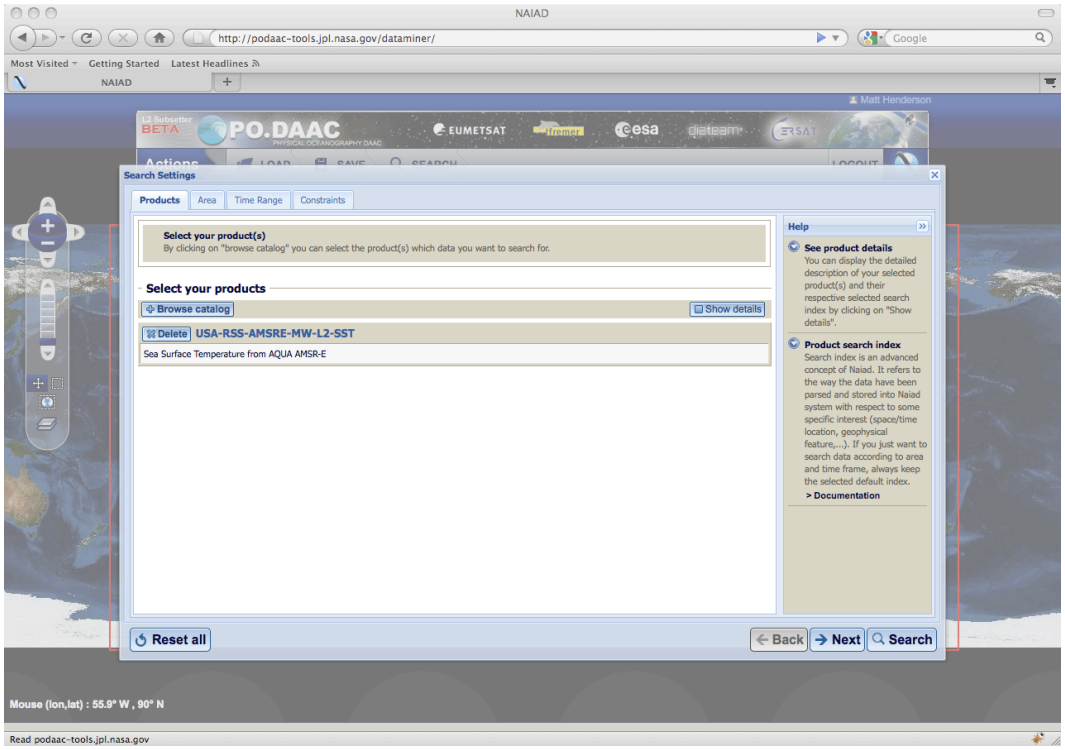




Here, AMSRE was chosen, but QuikSCAT is also available, and more products will be available for use over time.

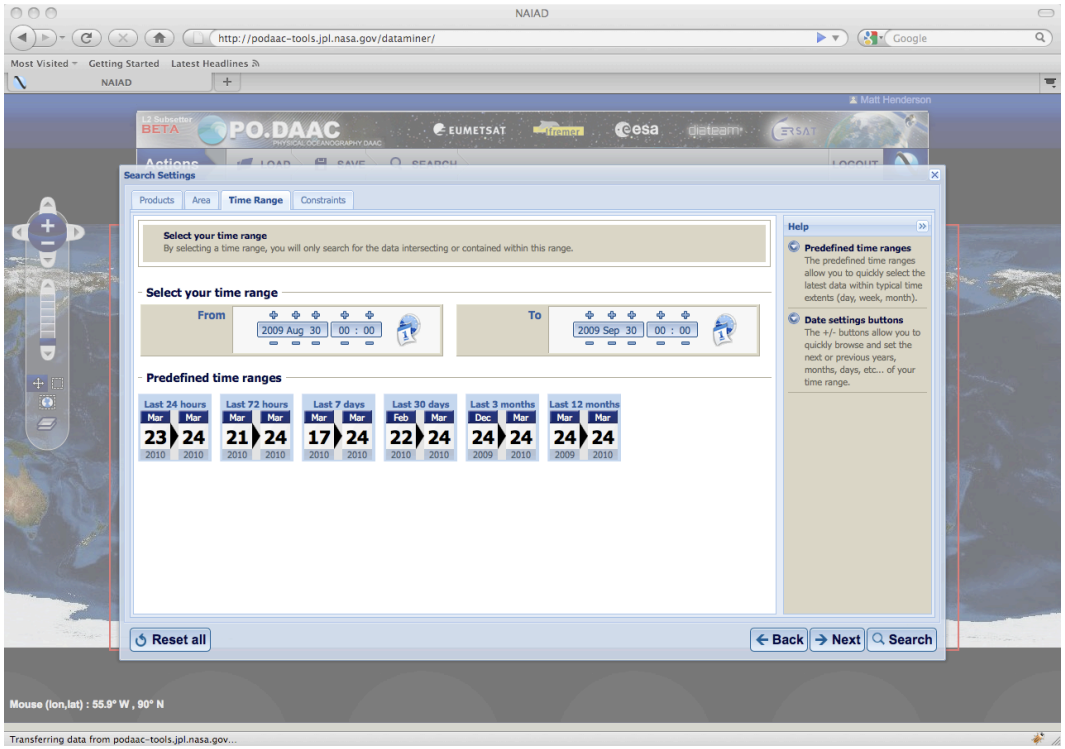
Click Add, then close this blue window with the close button at the bottom or click the X in the top right corner of this window to close it.

Here you can see that the product is now listed. Let's continue by either clicking the Next button, or jump to the tab you're interested in.



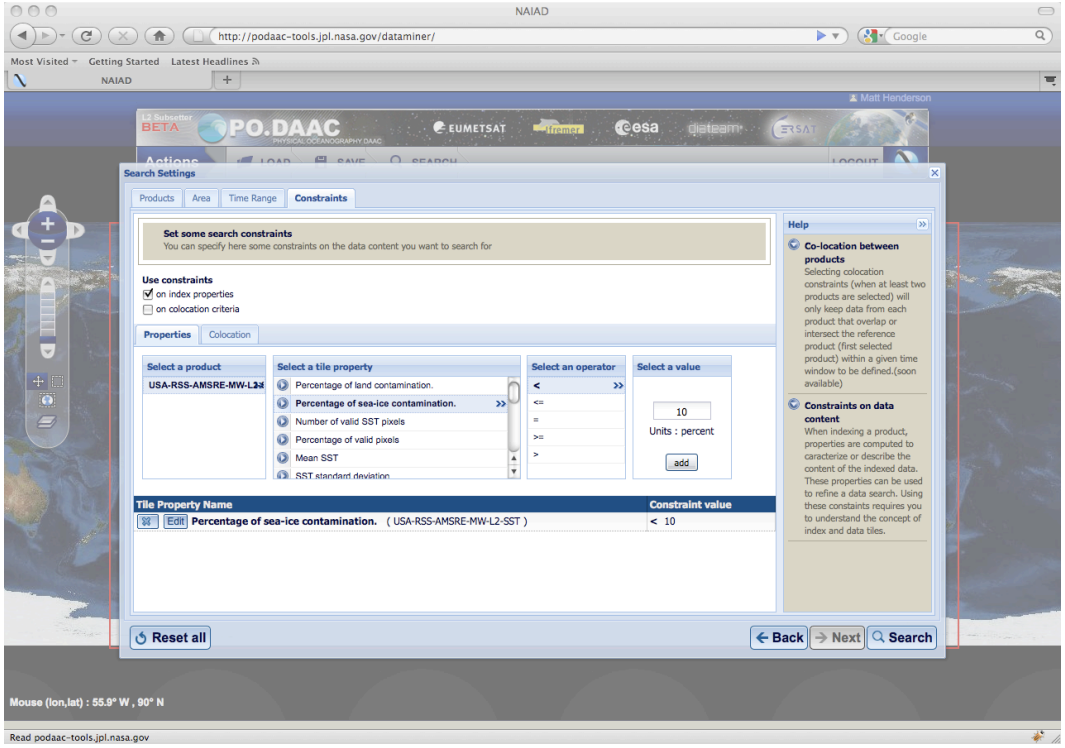
This is the spatial area window where you can define a regional subset to apply. This example uses a global search to pick up more data, however you can use whatever region you want. Notice you also have the capability to save a region of interest for later searches.

Now we need to select a time range for our search. Here the time range is from August 30 2009 00:00:00 UTC to September 30 2009 00:00:00 UTC.



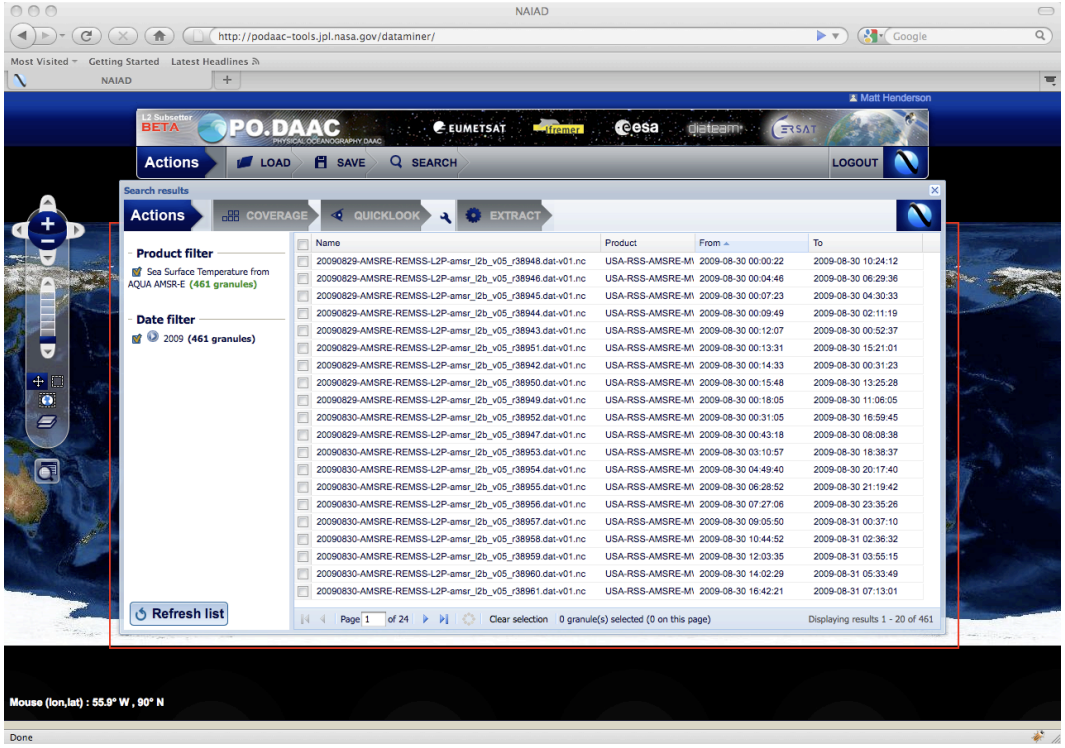
Click the plus and minus buttons to adjust the date and time, or click on one of the predefined time ranges on the bottom (these are based on the wall clock time when you entered this window). You can go between tabs by clicking the back or next buttons at the bottom, or by directly clicking another tab. When you're satisfied with your search selections go ahead and click search to see a list of granules that match your search criteria. Next I'll show the Constraints tab, which you can use to further refine your search. This is an advanced feature of Dataminer.

Here I have also defined an additional search constraint based on tile metadata.

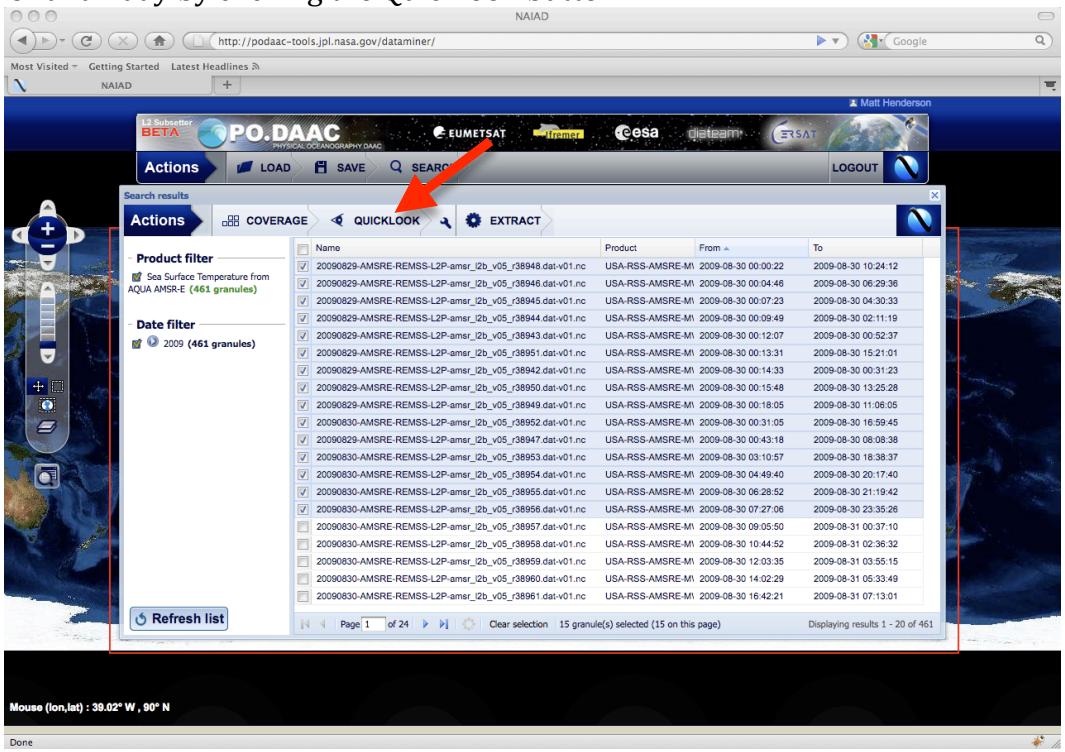


You can define multiple rules, although be careful as your rules may conflict or you may overly restrict your search and not get any data.

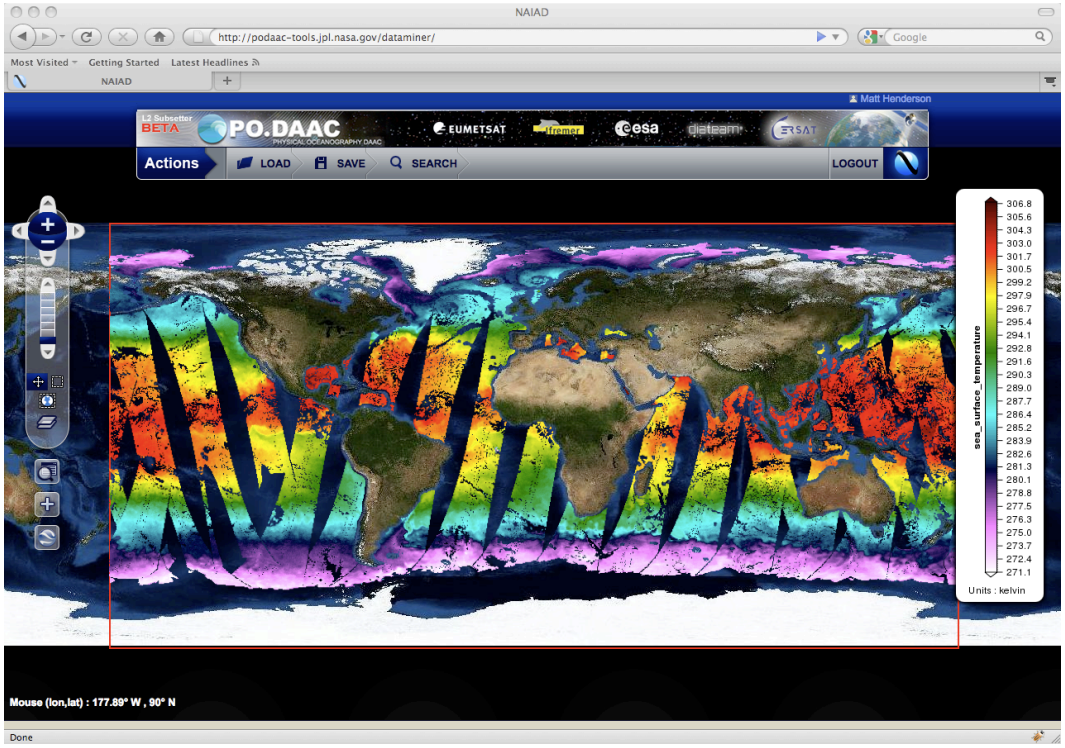
Here is the list of granules from our above example search,



Click the checkbox next to each granule to select it. Let's see a preview of the data for a full day by clicking the Quicklook button.



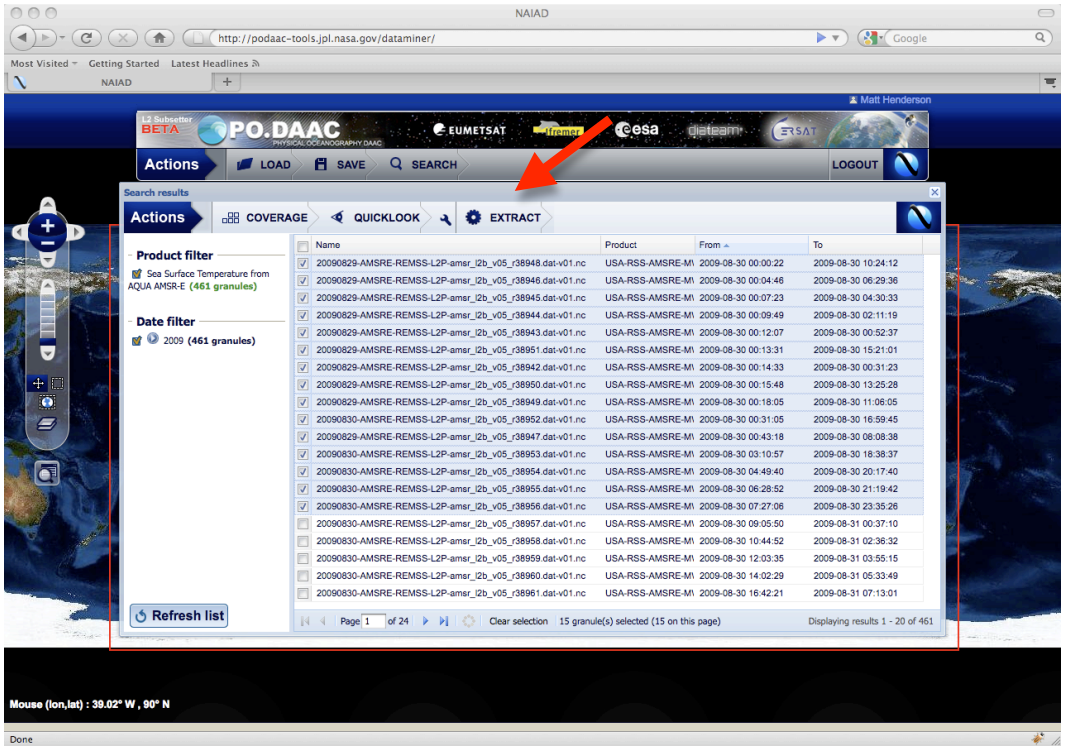
Here you can see the SST swath data granules from above overlaid on the map.



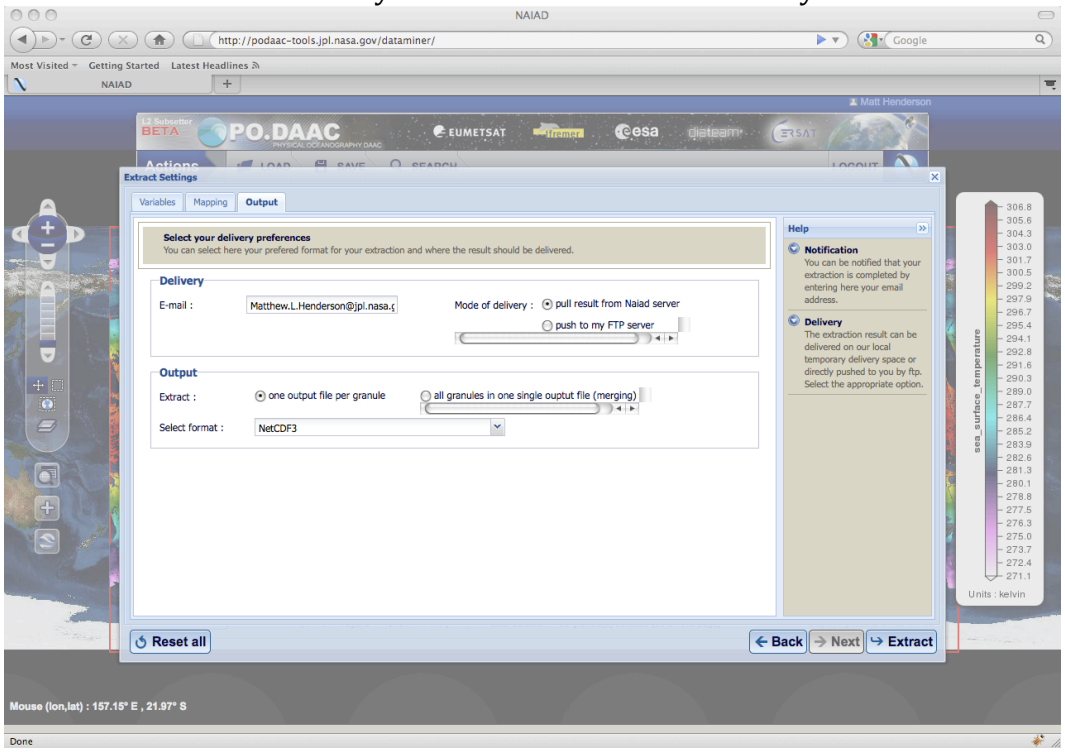
If you don't like this data for some reason, you can continue to preview more of your current search results or start a new search. One quirk of this tool worth mentioning is that you should deselect any granules (unclick the boxes so that there are no checks left) from your current search before beginning a new one. The granules you have selected were cached and saved, and there is an upper limit on the total number of granules you can select at once (currently 20, the same as a single results page).

To see your granule list again to either deselect granules or proceed to an extraction, click the magnifying glass icon on the lower left.

If you like the data you've found, and want to download it for additional research, click the extract button in the granule list window.

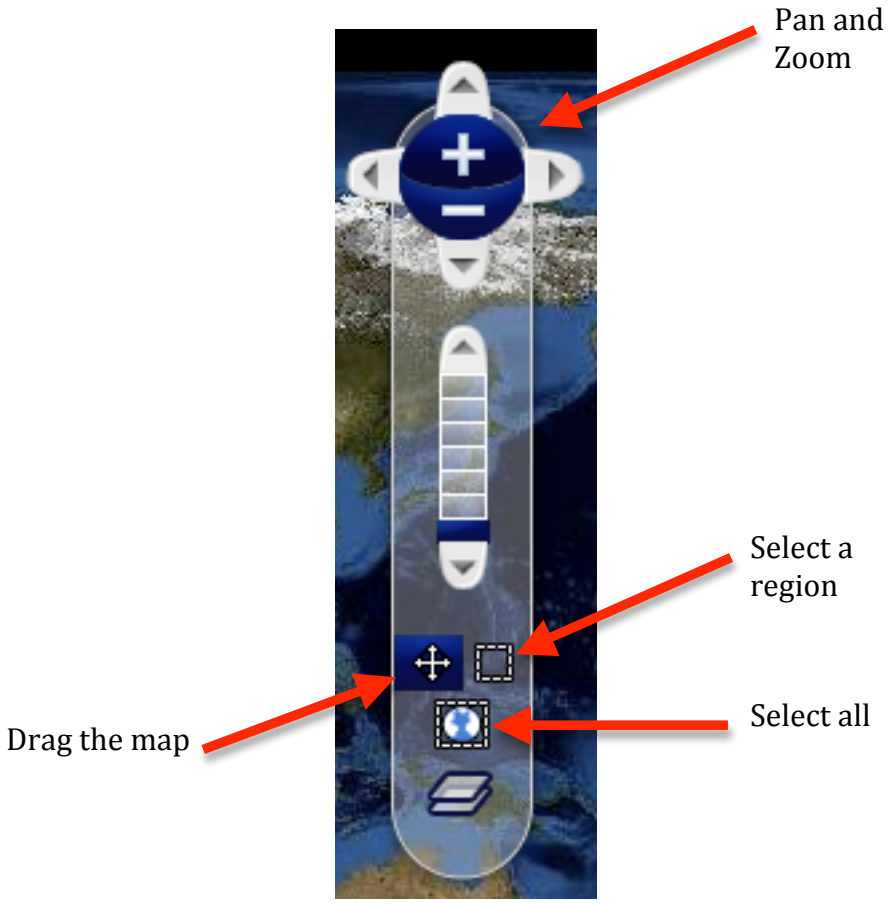


From here you can select how you want the data extracted, then click Extract and wait for an email from the system with a URL to download your data in a tarball.



Additional Information

I. NAIAD controls

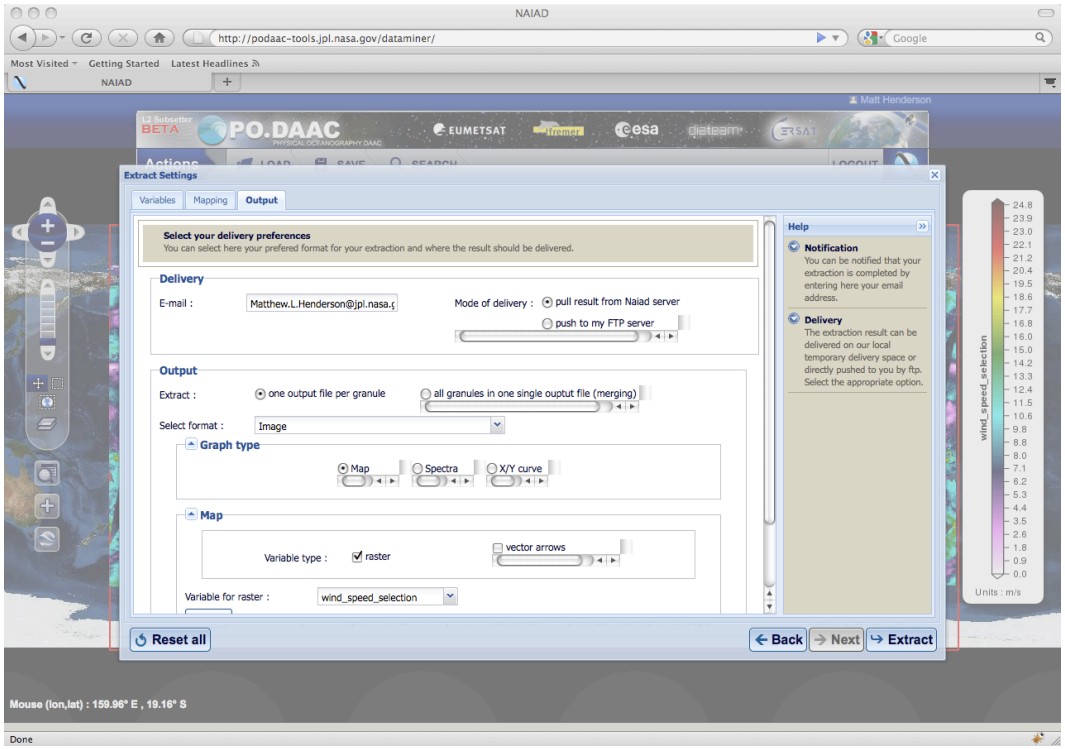


II. Selecting a Region

Click the select region icon and draw a bounding box on the map by clicking on a corner of your region and dragging the cursor to the opposite end of the region and letting go. Your region will be outlined with a red rectangle. If you want to start over you can click the select all icon to reset the region to the entire globe.

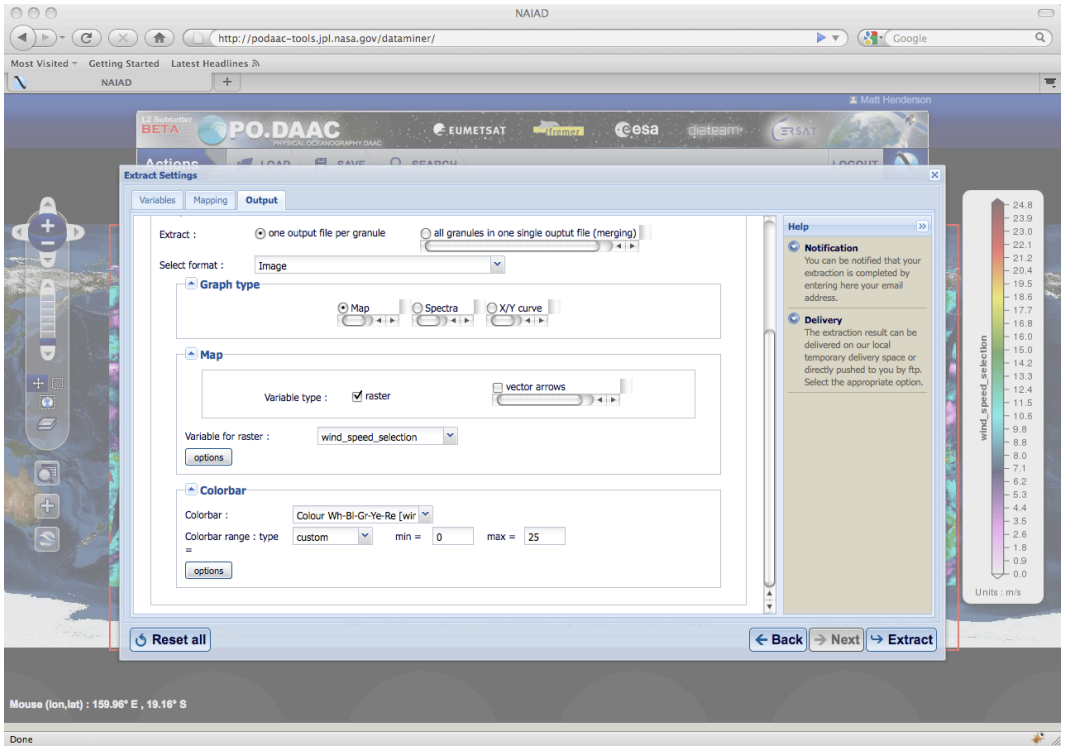
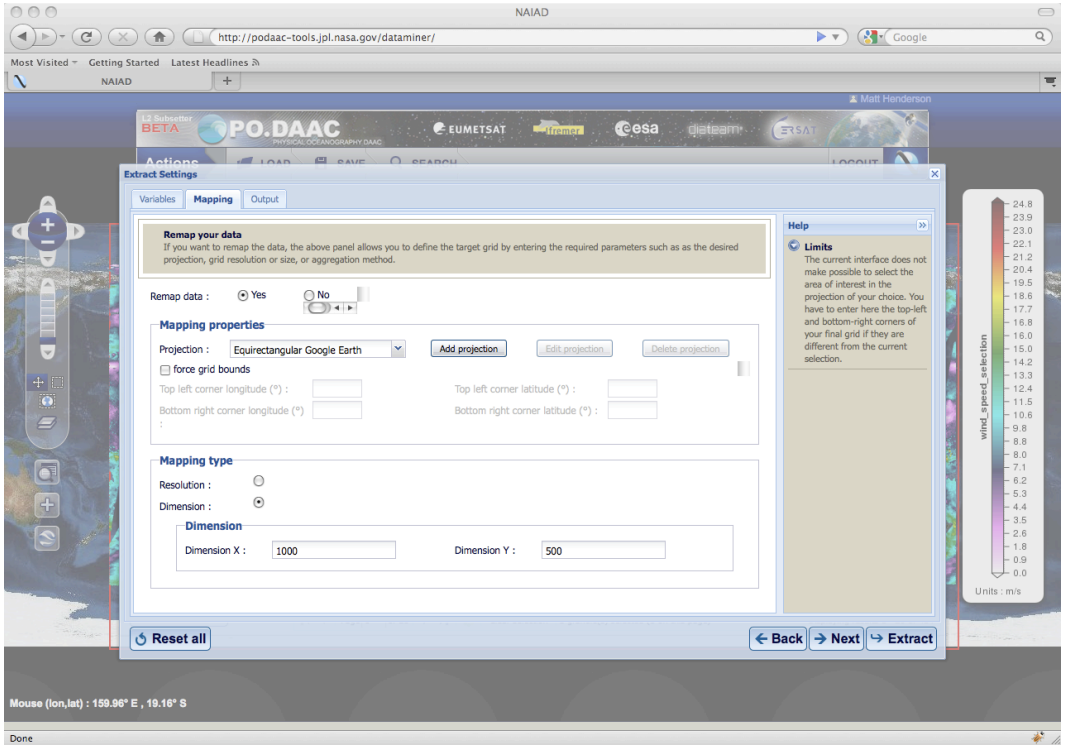
III. Additional controls

IV. Extracting data as images



This is a screenshot of the extraction output window where someone would be ready to extract QuikSCAT data as an image. Notice "one output file per granule" is selected, which is the default setting. To get the same result as a quicklook using multiple granules, select "all granules in one single output file", which will overlay the images on top of one another.

You can also customize the colorbar that is generated with your image, as shown here.



Finally, you're going to want the data projected for an image. Use the settings captured here for best results.