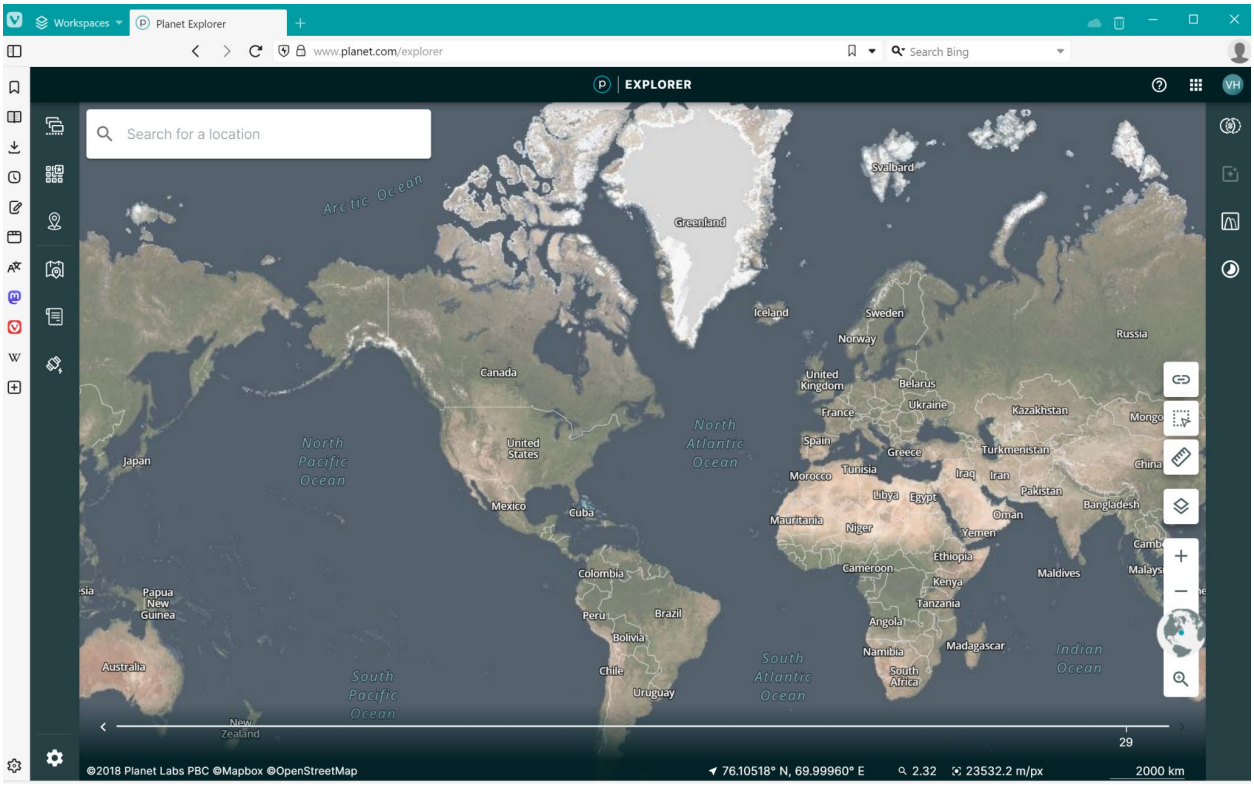
Ordering data

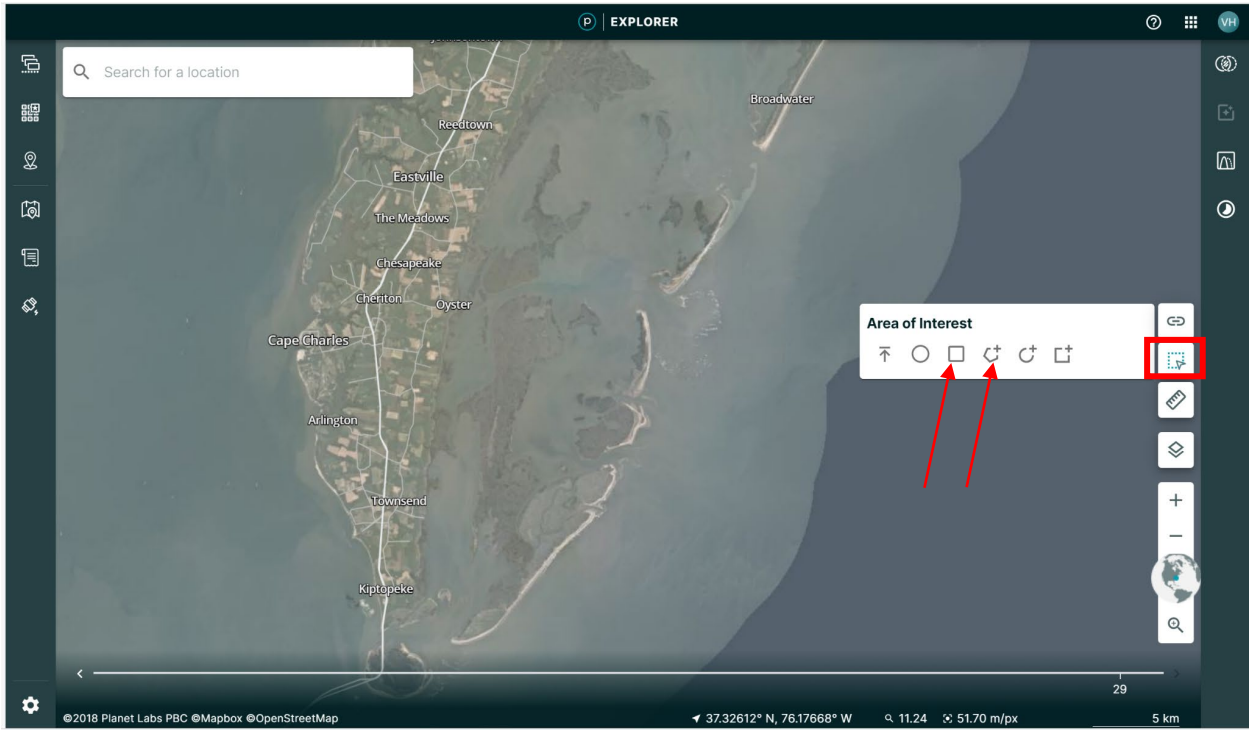
1. **Order images**

   Go to https://www.planet.com/explorer/

   Zoom into your study area on the basemap.

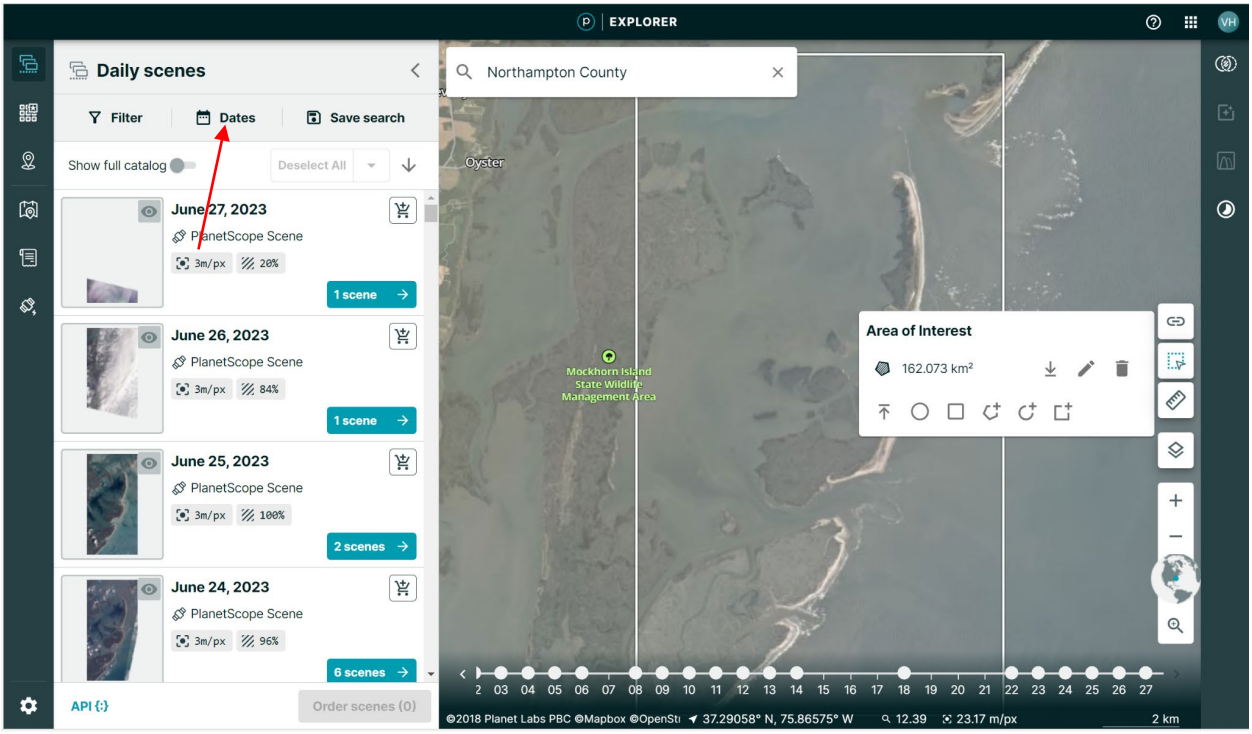


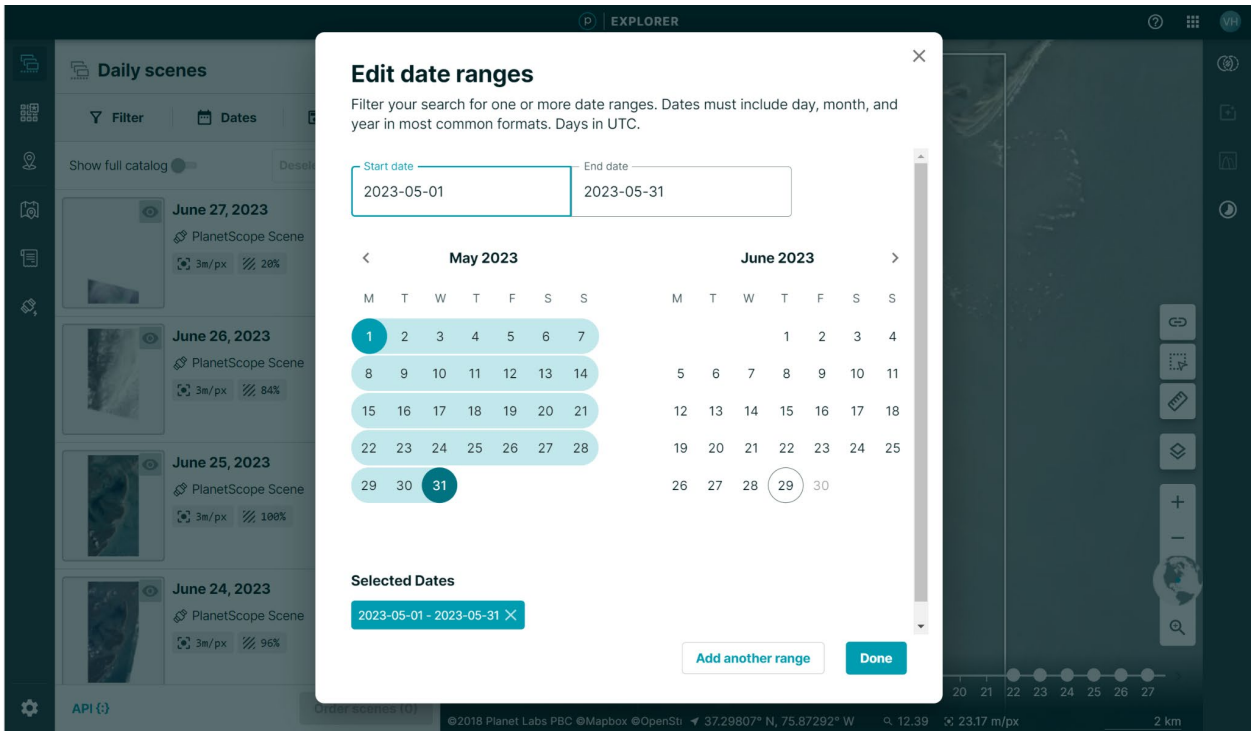
   Use the Area of interest (AOI) tool to select your study region. You can upload a file that has the extents of your AOI, or use the shape tool to draw your extent.



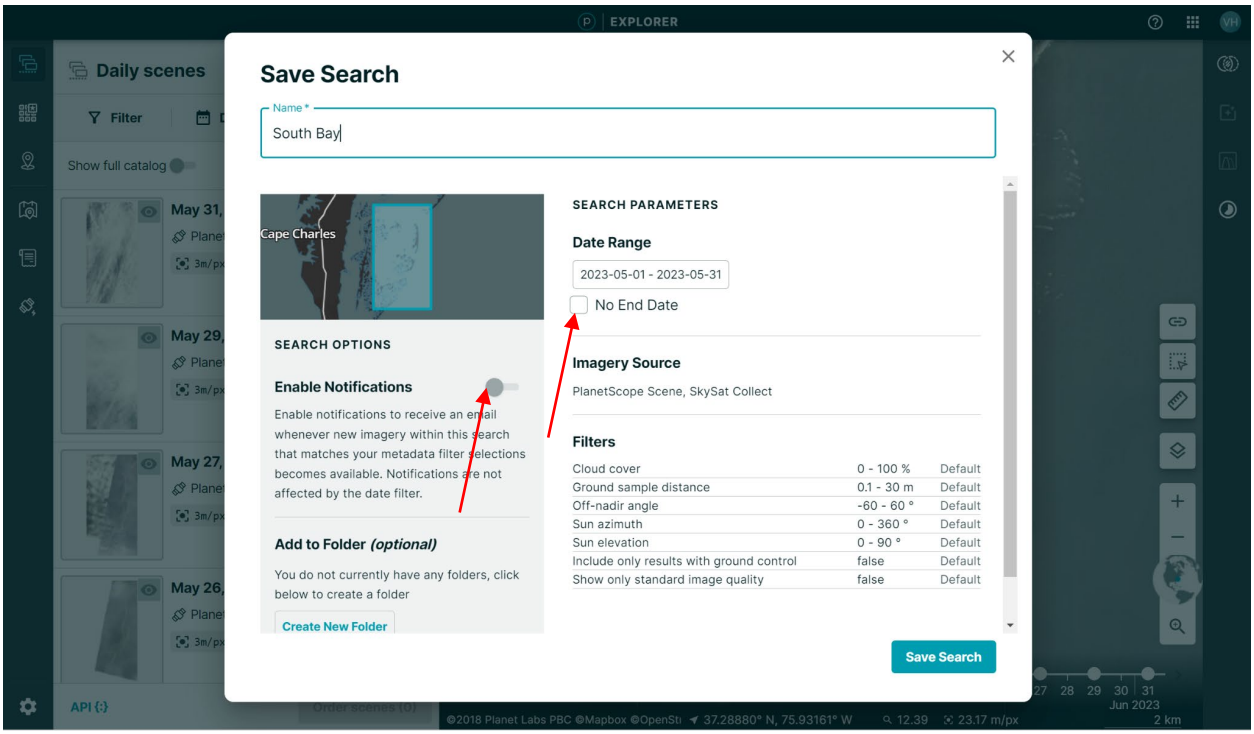
Once you draw or upload your AOI, it will show you available images.

Click on Dates to select your date range to search for images.

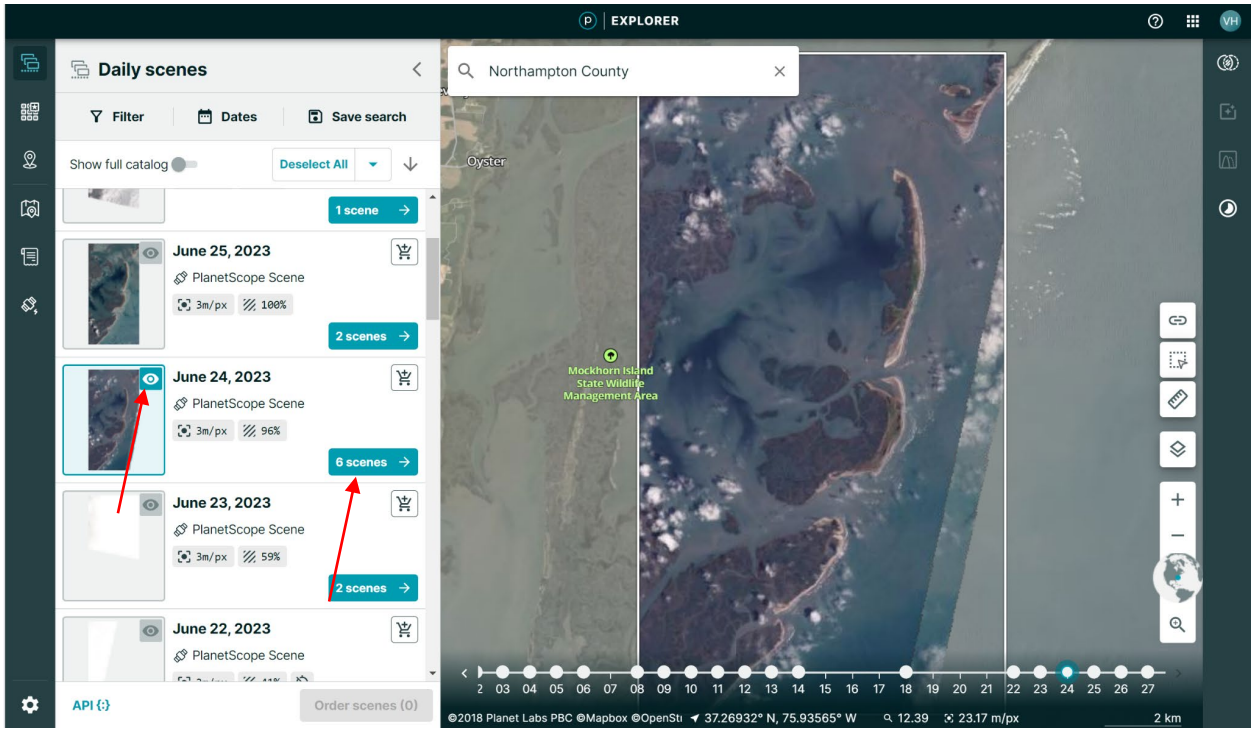




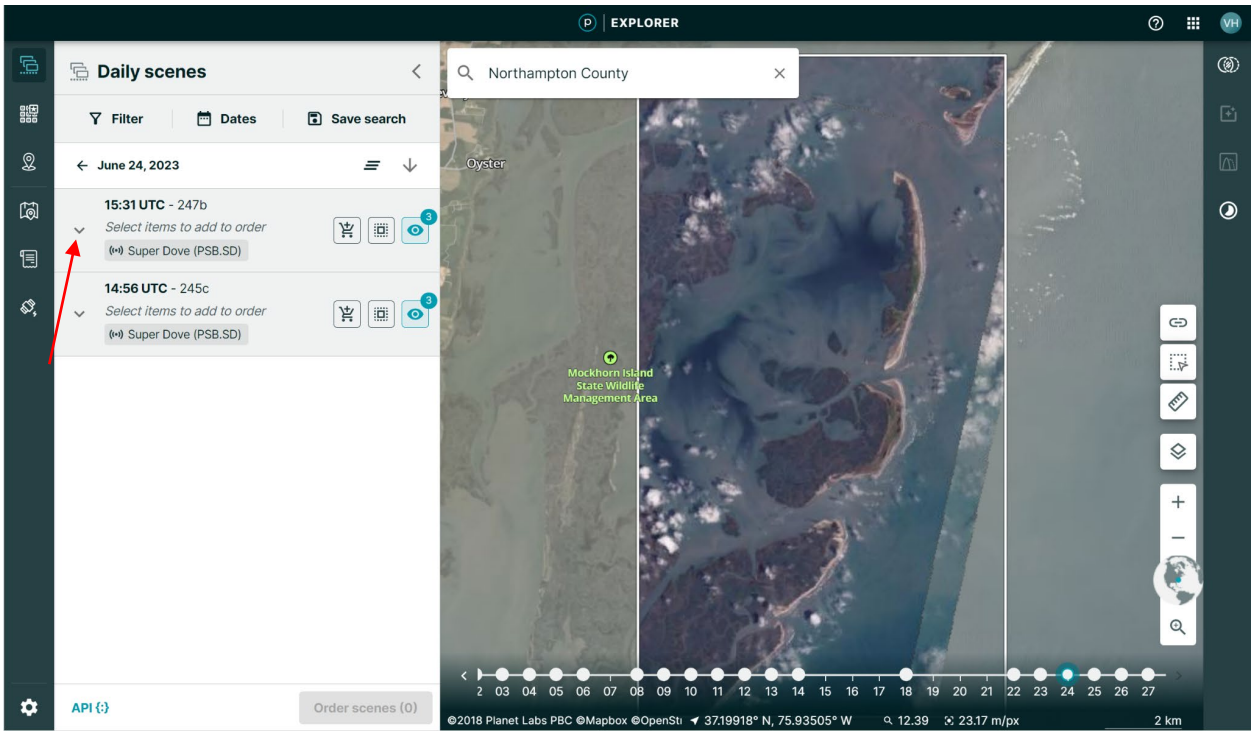
I recommend that you save your search, you can select “No end date” and it will always show you the latest images. If you would like email notifications when new images are collected, click enable notifications.



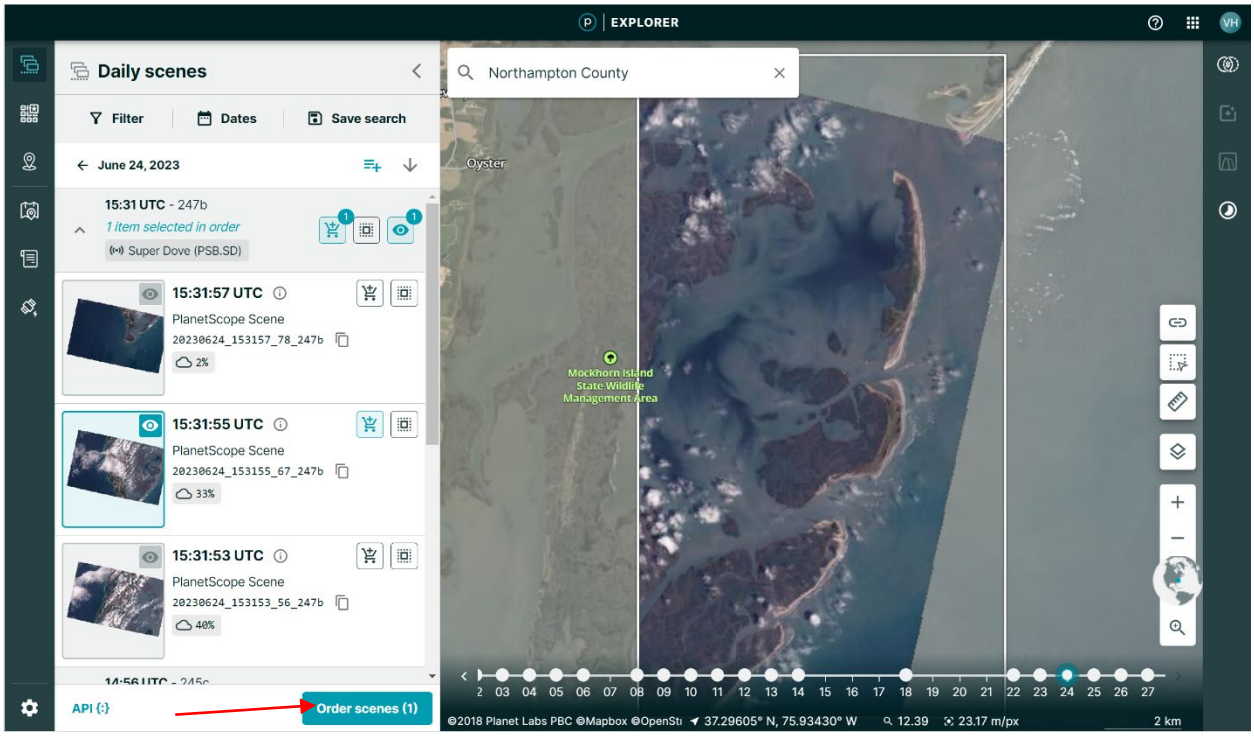
Selecting the view icon (eye icon) will display the images. Make sure that you deselect images so you can see the images underneath. Clicking on the blue box that indicates the number of scenes will show you which sensors collected images on that day and at what time. Often there will be more than one sensor pass per day.



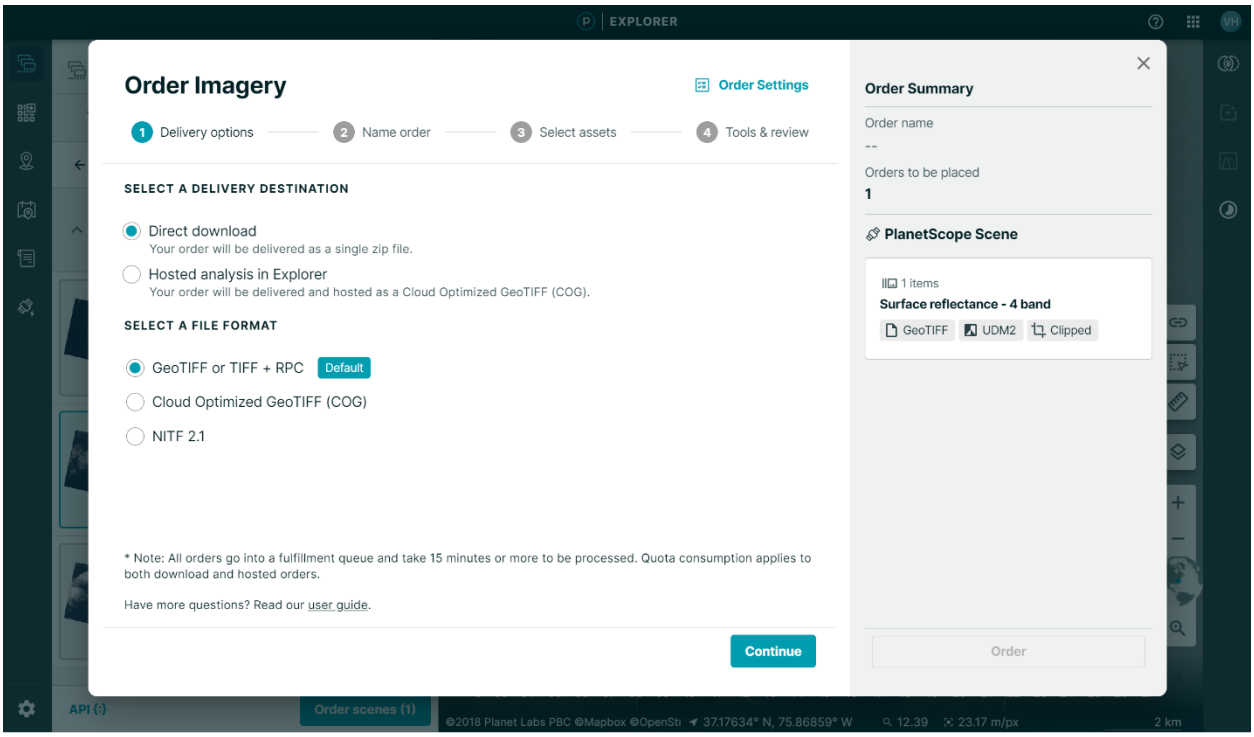
In this example there were two sensor passes, one at 15:31 UTC and another at 14:56 Clicking on the down arrow will show you the individual tile that cover your AOI.



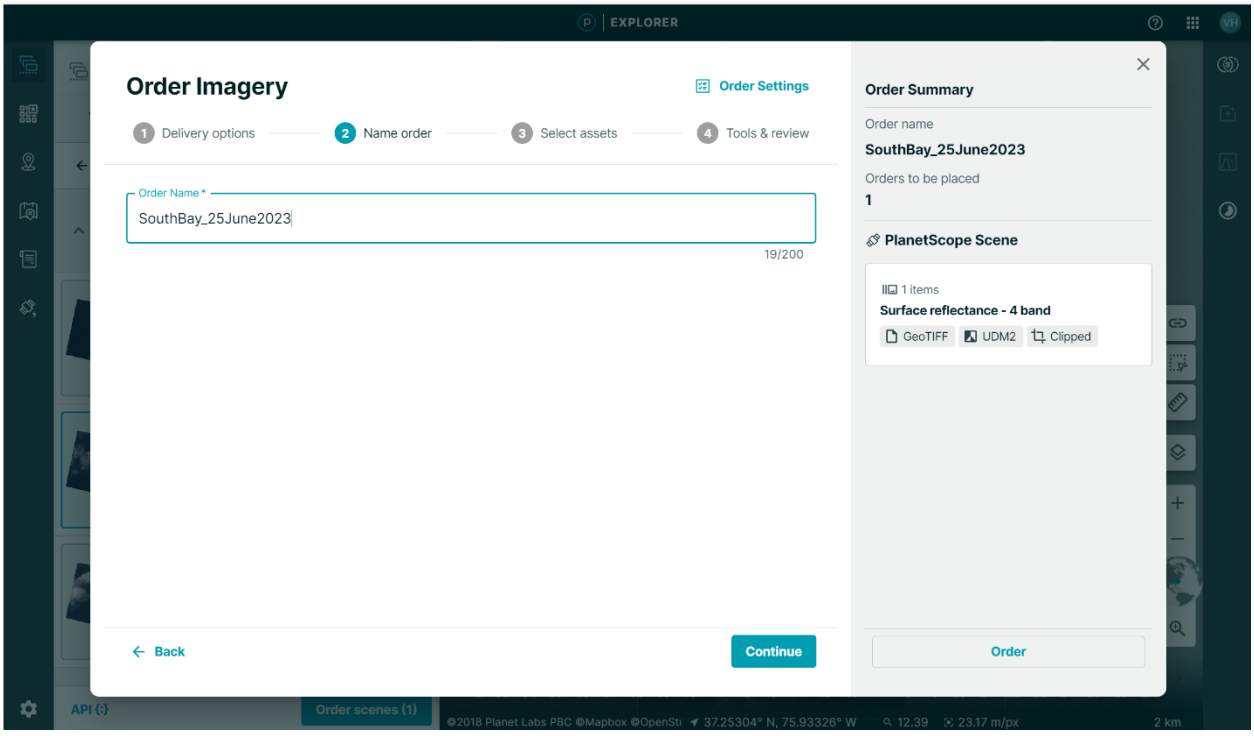
You can see which tiles cover your AOI and select which ones you would like to order. Click on order scenes.



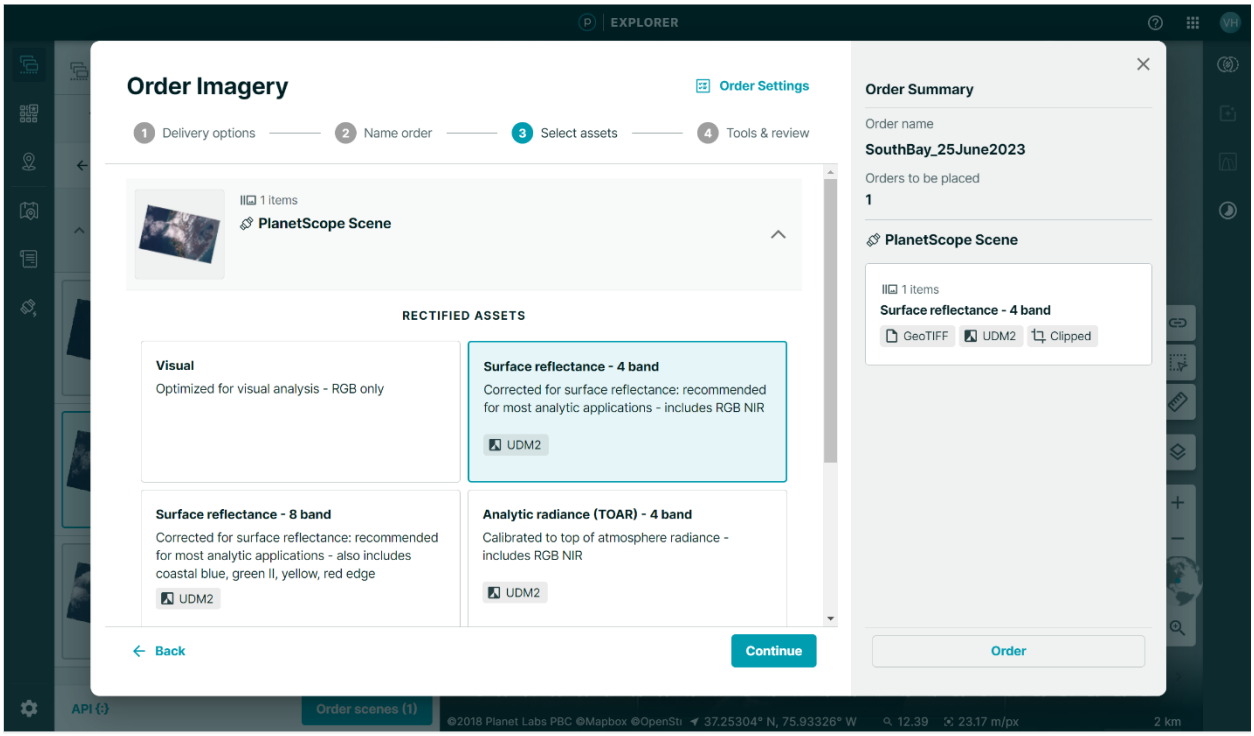
The ordering page, select direct download and geoTIFF format



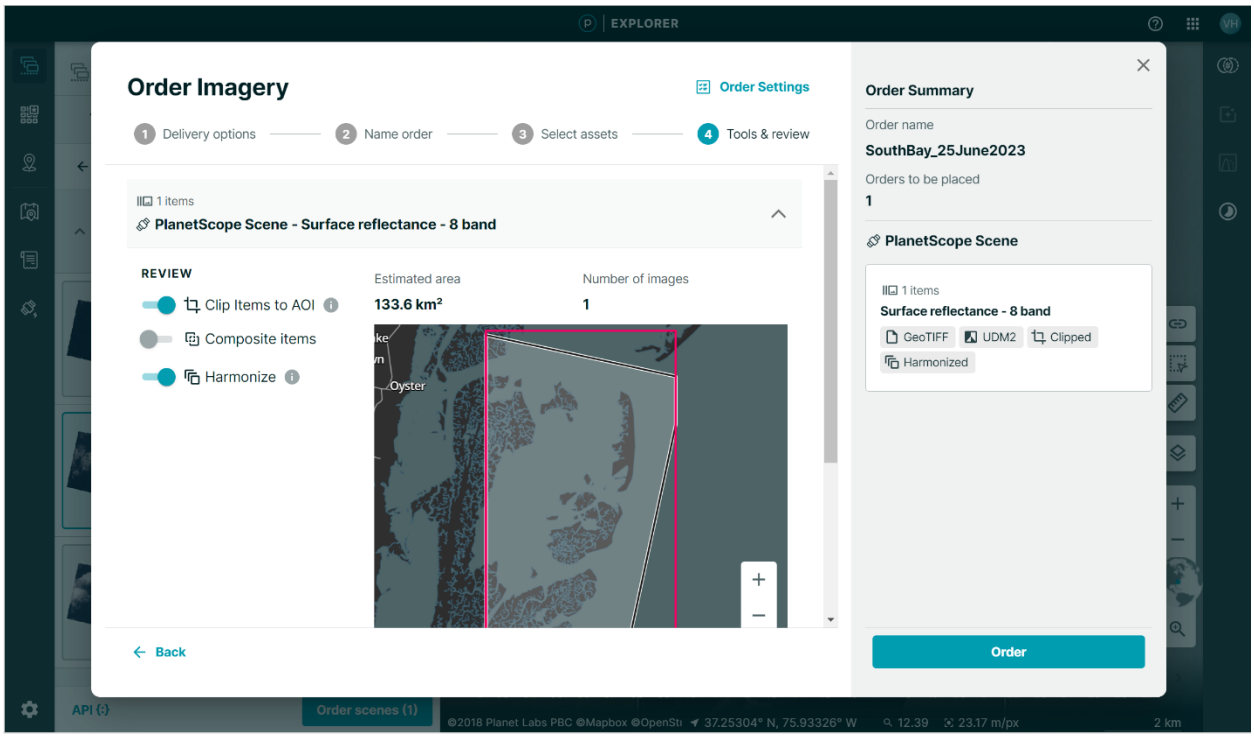
Give your order a name, I normally use my site name and date.



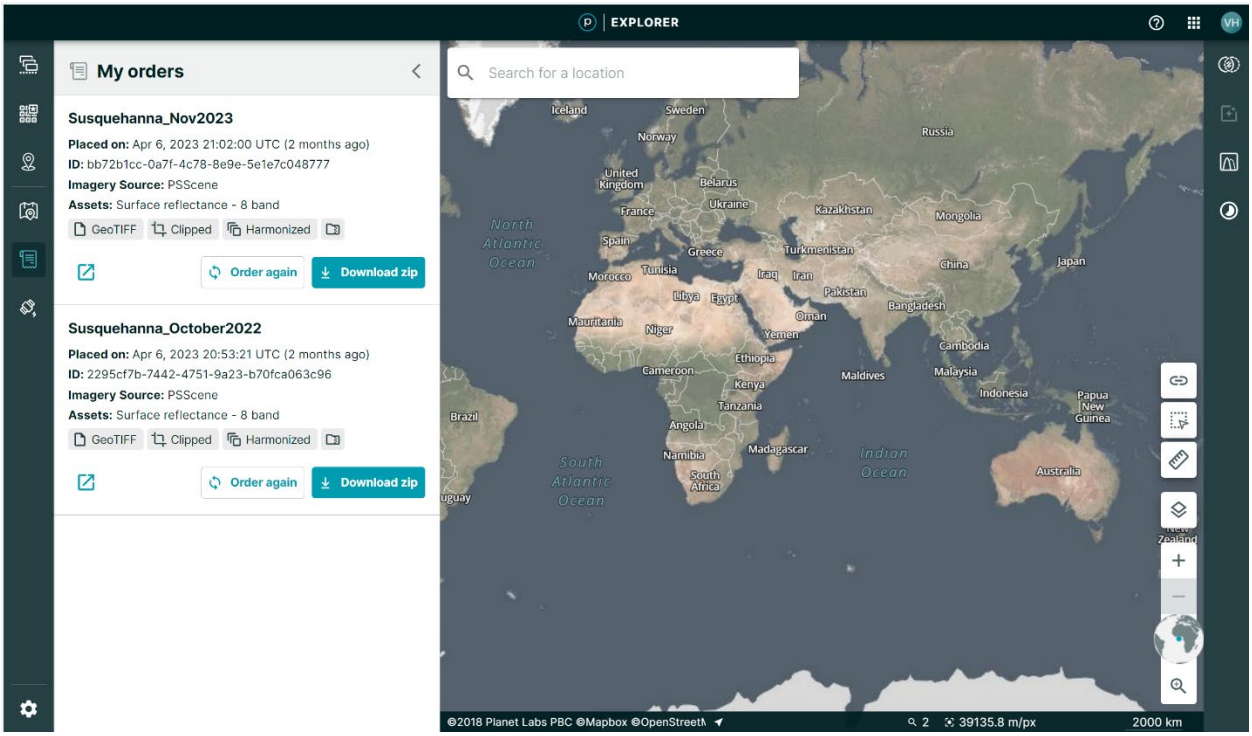
You can select your preferred product. Always choose the surface reflectance, I would also choose the highest number of bands.



If you clip the tiles to your AOI, you will save on the total size of your order. Also select harmonize which harmonizes the spectral characteristic of the sensor to Sentienl-2. Do not select composite (we will talk more about this)/



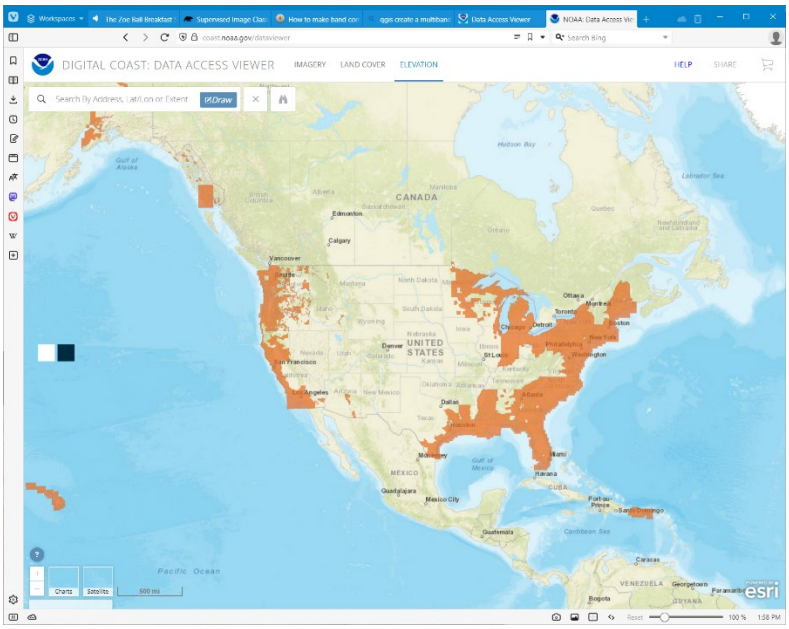
Once you hit order your order will appear in “My orders” found on left tool panel. You will receive an email when it is ready to download.



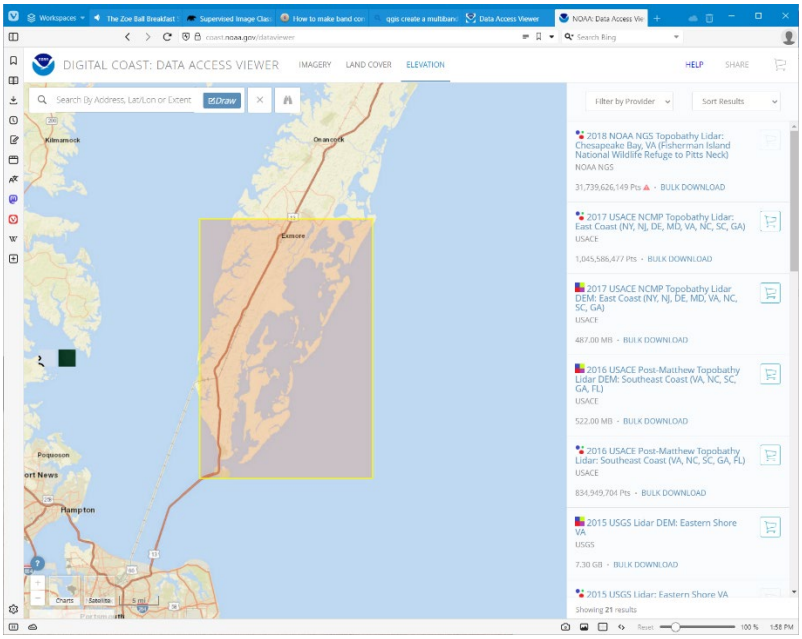
2. Order digital elevation map (DEM)

Get DEM from NOAA data viewer https://coast.noaa.gov/dataviewer/#/

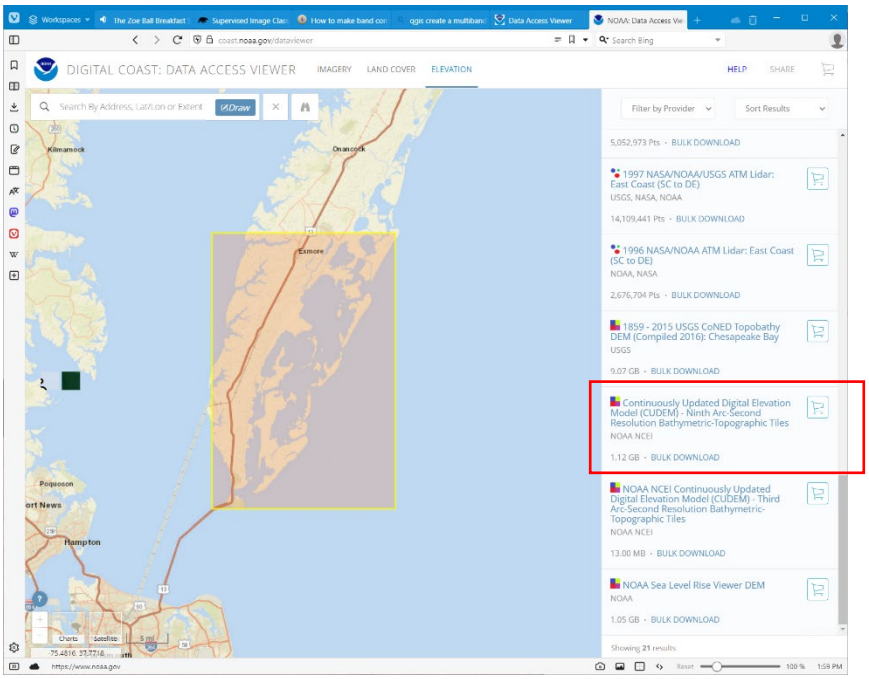
Select Elevation/LIDAR



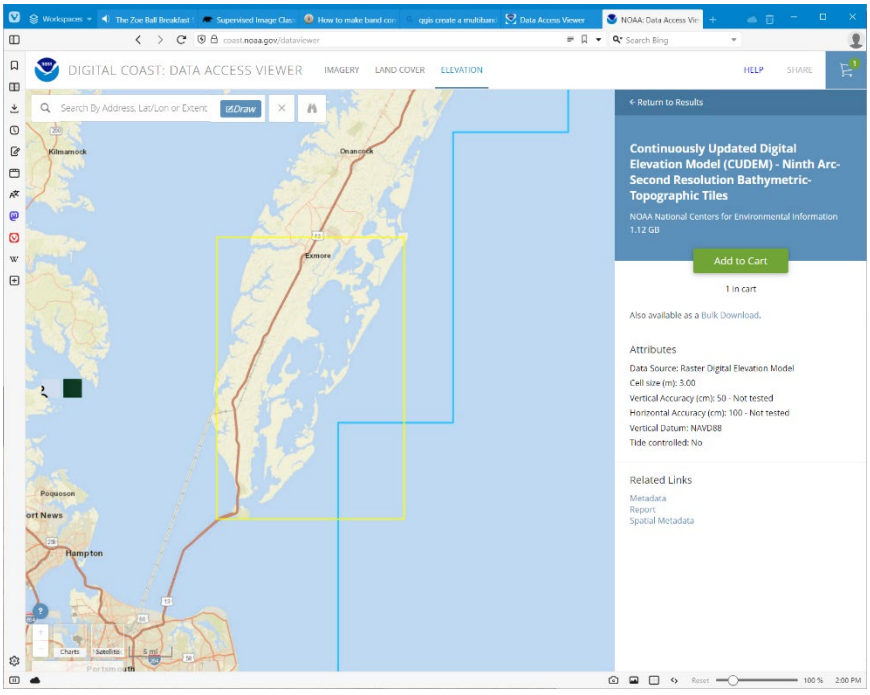
Zoom in and draw a box surrounding your study area.



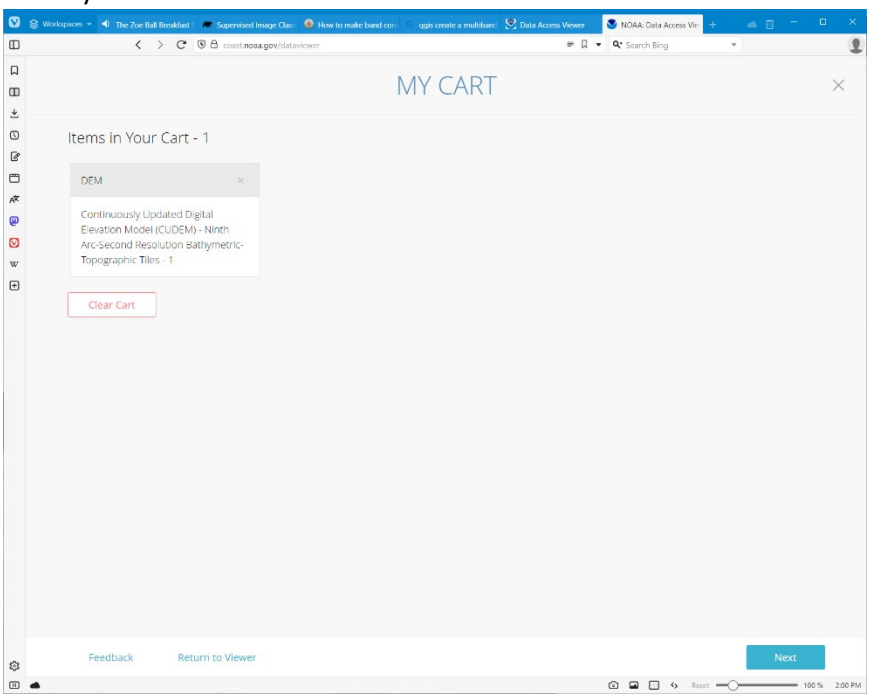
You will want to select the continuously updated CUDEM ninth-arc second resolution data. Click on the cart symbol.



Add to cart.



Check your cart and continue to order



You will have to download the DEM as NAD83 1983 projection, if you try to order it in another projection it will fail. Once you order you will receive an email confirming the order and another with a link to the download.

Once downloaded you will need to change the projection to the same as your Planet images and resample it to the same cell size.