
DataDoors™ Web User Guide



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Introduction

This document is a basic overview of the user flow for DataDoors™ Web client at <http://www.datadoors.net/DataDoorsWeb/Order.aspx>. After reading this document a user shall be able to browse the catalog as a Guest or registered user, create an AOI, place an order, and check out.

Welcome to DataDoors™

Log in to your DataDoors Account

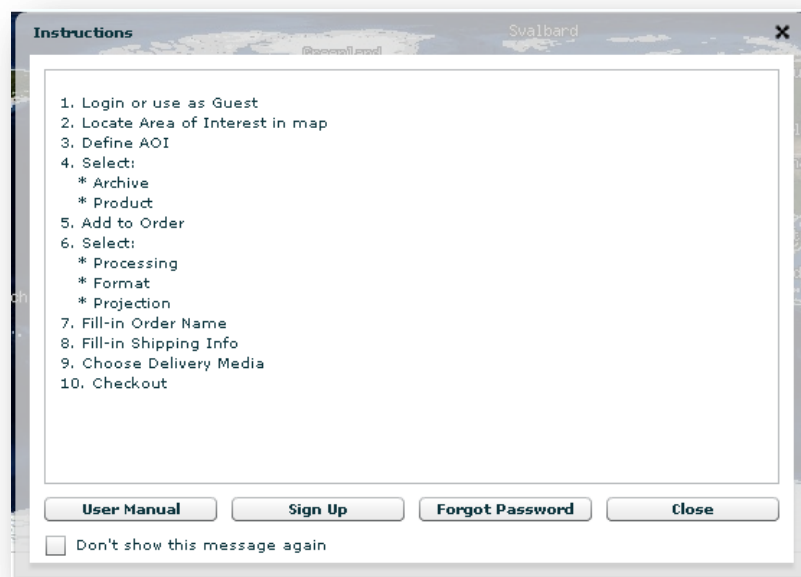
It is not required to log into DataDoors™ to browse the catalog or make a purchase. Guest users of DataDoors™ enjoy all of the functionality of account holders, but are asked to make payment for image purchases with a credit card at the time they are made. Typically, accounts are set up for multi-user businesses who like the convenience of drawing from a purchase order in our accounting department, and the formality of a single monthly invoice for the combined purchases of all of their employees.

1. To log in enter your **User Name** and **Password**
2. Click **Log In**

Instructions / Help

Once the user navigates to the DataDoors™ web client, they can view simple instructions for how to use this interface, along with links to a user manual, account sign up, and password retrieval. Click the **Help** button within the Welcome section to reload the Instructions pop-up window.

Figure 1: Instructions



Locate an Area of Interest (AOI)

The first step in searching for geospatial data is to locate the general area of interest in the interactive world map. Use the Locate and Map Navigation buttons to locate the general area on the map.

Figure 2: Locate and Map Tools



1. The cursor's geographic location will be displayed in the upper right corner.
 - The **Scale** field displays the ratio between a distance on the map and the corresponding distance on the earth
 - The **Latitude** and **Longitude** are displayed in decimal degrees, referenced to WGS84
 - The **UTM Zone** identifies the zone number
 - The **AOI Area** will be listed as square kilometers, (**sq. km.**), or **No AOI** if one has not been designated
 - The square area in kilometers will be representative of the AOI once selected

Figure 3: AOI Map information

```
Scale: 1:199,935,565  
Latitude: 70.05  
Longitude: -170.92  
UTM Zone: 2  
AOI Area: No AOI
```

Locate by Geographic Names Information System (GNIS)

The **Geographic Names Information System (GNIS)** is a database that contains name and locative information about more than two million physical and cultural features located throughout the United States of America and its territories. The database is part of a system that includes topographic map names. Variant names, or alternatives to official federal names for a feature, are also recorded.

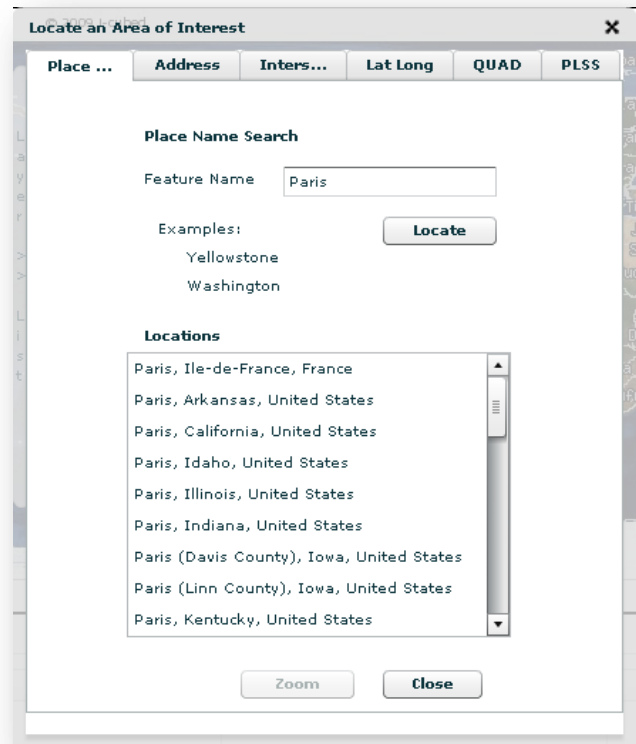
Figure 4: Locate by Place Name

1. To locate a specific place by name click on the **Locate an Area of Interest** button. A new dialog box will load.

Figure 5: Area of Interest button



2. Choose the **Place Names** tab to search for a location. Enter a name in the **Feature Name** box and click locate.
3. A list of possible locations will appear in the box below based on matches from the GNIS database. Choose the correct one and click **Zoom**. The dialog box will close and the map will zoom to the location chosen.



Locate by Address, City, State, Country

An Area of Interest can be found by entering specific point location information such as City, State, or County

1. Click on the **Locate an Area of Interest** button and a new dialog box will load.
2. Select the **Address** tab
3. To search for a physical address, enter information in the appropriate boxes in and click **Locate**. The Location will appear in the bottom box.
4. If this is the correct address, click **Zoom**. The dialog box will close and the map will zoom to the address entered.

Figure 6: Locate by Address

The screenshot shows a dialog box titled "Locate an Area of Interest" with a close button (X) in the top right corner. The dialog has five tabs: "Place ...", "Address", "Inters...", "Lat Long", and "PLSS". The "Address" tab is selected. Below the tabs, the text "Enter the desired location" is displayed. There are six input fields: "Street Number", "Street Name", "City" (containing "Sydney"), "State (abbrv.) / Province", "Zip Code / Postal Code", and "Country" (a dropdown menu showing "United States"). Below these fields are "Clear" and "Locate" buttons. Underneath is a section titled "Locations" with a list box containing two entries: "Sydney, Florida, United States" (highlighted in blue) and "Sydney, North Dakota, United States". At the bottom of the dialog are "Clear", "Zoom", and "Close" buttons.

Locate by Intersection

An Area of Interest can be found by entering specific point location information such as a road intersection

1. Click on the **Locate an Area of Interest** button and a new dialog box will load.
2. Choose the **Intersection** tab and enter two intersecting street names in a city.
3. Fill in the remaining boxes and click **Locate**. A list of possible matches will appear in the box below.
4. Choose the correct one and press **Zoom**. The dialog box will close and the map will zoom to the location chosen.

Figure 7: Locate by Intersection

Locate an Area of Interest

Place ... Address **Inters...** Lat Long QUAD PLSS

Enter the desired intersection

First Street

Second Street

City

State (abbrv.) / Province

Zip Code / Postal Code

Country

Locations

Locate by Coordinates

When a specific geographic coordinate is known, it can be entered directly

1. Click on the **Locate an Area of Interest** button and a new dialog box will load.
2. Choose the **Lat Long** tab and enter the coordinates in **decimal degrees** or **degrees, minutes and seconds**.
3. A **Zoom Level**, designating the initial zoom extent, can be selected at City Block, County or State level.
4. Click **Locate**. The map will zoom to the coordinates entered.
5. If the location is correct, click **Close**.

Figure 8: Locate by Coordinates

Locate an Area of Interest

Place ... | Address | Inters... | **Lat Long** | QUAD | PLSS

Zoom Level

City Block
 County
 State

Supply the coordinates in decimal degrees
Example: 40.37 -104.34

Latitude
Longitude

Locate

Or in degrees, minutes, and seconds
Example: 40 2 7.29N 104 14 30.58W

Latitude
Longitude

Locate

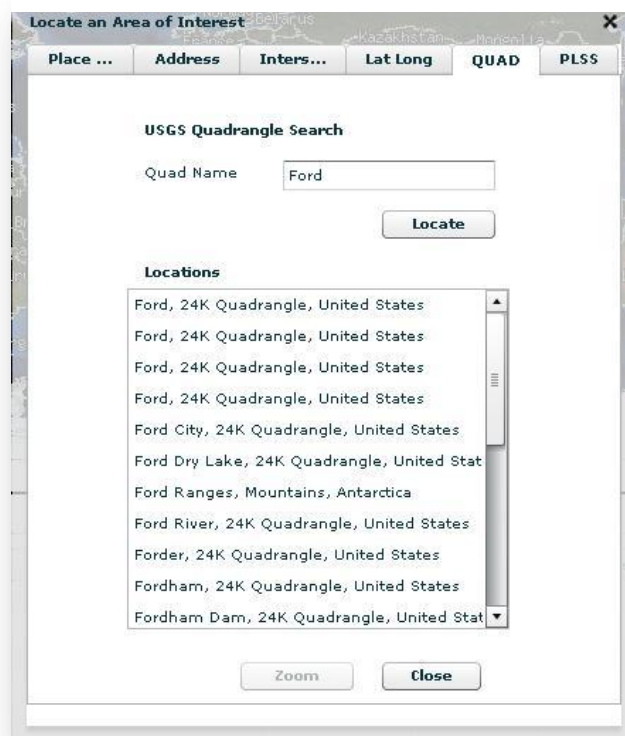
Close

Locate by QUAD name

The user can search for a specific USGS quadrangle

1. Click on the **Locate an Area of Interest** button and a new dialog box will load.
2. Click the **QUAD** tab
3. Enter the known quadrangle name in the **QUAD Name** box
4. Click the **Locate** button
 - A list of Quadrangles will appear in the **Locations** window. Select the one you need and click the **Zoom** button. This will update the display to the extent of the selected quad.
 - The window will automatically close if a quad is chosen and the zoom button pushed

Figure 9: Locate by USGS Quadrangle Name



Locating by Public Land Survey System

If PLSS coordinates are known they can be entered and used as search criteria.

1. Click on the **Locate an Area of Interest** button and a new dialog box will load.
2. Click the **PLSS** tab
3. Select the known **Meridian** name, or leave the default set to **Unknown**
4. Enter a **Township** and select **North** or **South** from the drop-down
5. Enter a **Range** and select **West** or **East** from the drop-down
6. Click the **Locate** button
 - o A list will appear in the **Locations** window. Select the one you need and click the **Zoom** button. This will update the display to the extent of the selected quad

Figure 10: Locate by PLSS

Locate an Area of Interest

Place ... | Address | Inters... | Lat Long | QUAD | **PLSS**

PLSS Search

Meridian: Unknown

Township: 1 | N

Range: 7 | E

Example:
Black Hills
1 N
7 E

Locations

Meridian	Meridian Name	State	County
17	Indian	OK	Unknown
12	Fourth Principal Exte	WI	Unknown
9	First Principal	OH	Unknown
27	Salt Lake	UT	Unknown
15	Humboldt	CA	Unknown

Zoom | Close

Locate by using Map Navigation Buttons

Use these buttons to maneuver around the map to find your area – **Zoom In**, **Zoom Out**, **Pan**, **Zoom to Previous Extent** and **Zoom to Full Extent**.

Figure 11: Map Navigation Buttons



Define your AOI

Once you have located the general area in the map, the next step is to define a more specific Area of Interest using the **Area of Interest (AOI) Selection** tools. This can be done using the **Draw Rectangle AOI**, **Draw Polygon AOI** or **Open Additional AOI Options** tools found at the top of the map. The size of the AOI will be displayed in sq. km. in the upper left section of the application.

Figure 12: AOI Selection Tools



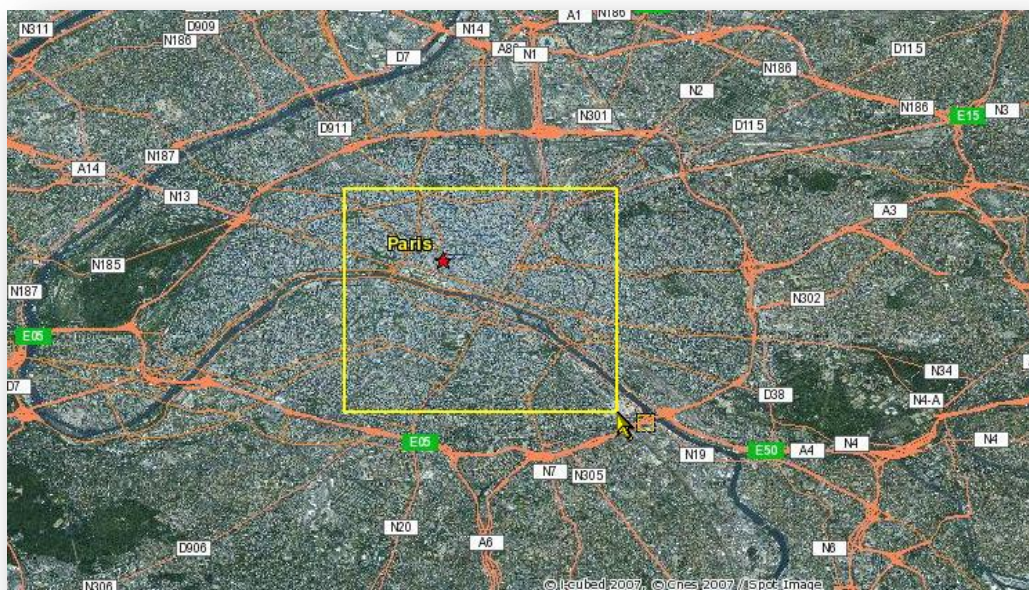
Draw Rectangle AOI

Drawing a simple rectangle is an easy way to define your AOI. Click the **Draw Rectangle AOI** tool to activate this operation. Place the pointer near your desired AOI. Using the left mouse button, click and hold, designating the location of the first corner of your rectangle and drag the pointer to the opposite corner and release the button to form the AOI rectangle.

Figure 13: Draw Rectangle AOI Tool



Figure 14: Rectangle AOI Drawn with Rectangle Tool



Draw Polygon AOI

If your AOI is a polygon, you can use the **Draw Polygon AOI** option.

1. Click the **Draw Polygon AOI** button to activate this operation.
2. Click on the map to create vertexes for your polygon.
3. When you have drawn the last vertex, double-click to close the polygon.

Figure 15: Polygon AOI Tool



Figure 16: Example of Polygon AOI



Open Additional AOI Options

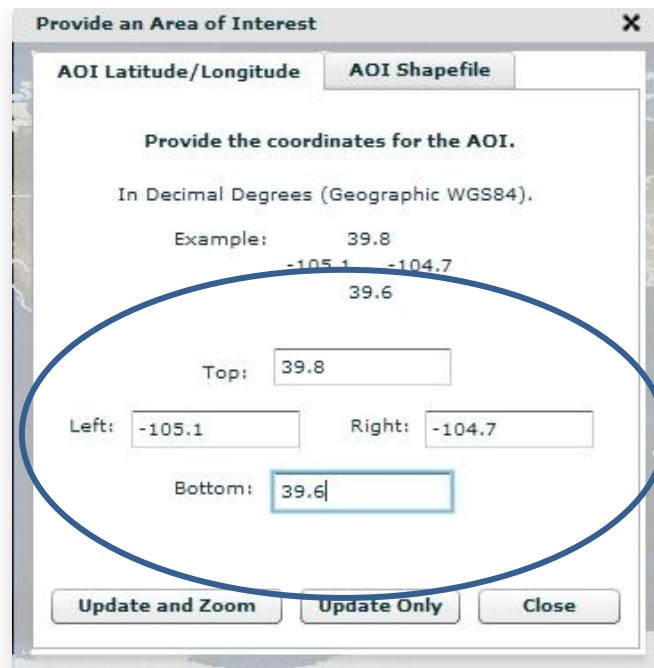
Open Additional AOI Options button will create a rectangle based on entered Top, Left, Bottom and Right coordinates in decimal degrees (Geographic WGS84).

Figure 17: Open AOI Options button



1. Click the **Open Additional AOI Options** button to load the **Provide an Area of Interest** window
2. Select either the AOI Latitude/Longitude or AOI Shapefile Tab
 - o **AOI Latitude/Longitude** tab: Enter the appropriate Latitude/Longitude coordinates for your AOI and click the **Update and Zoom** button or **Update Only** button to draw your AOI on the map and populate the Select Product window with data from within your AOI

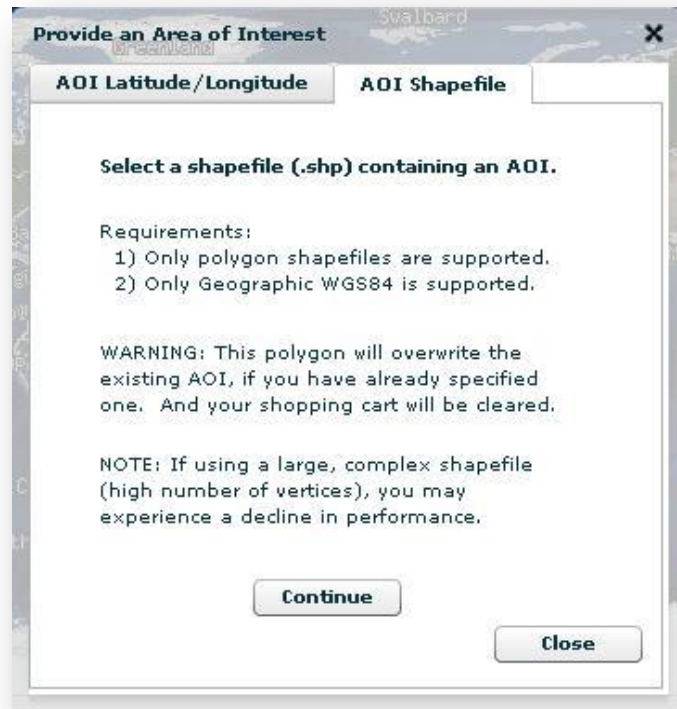
Figure 18: Provide AOI Lat/Long Coordinates



- o Click either **Update and Zoom** to change the AOI and the zoom the map to AOI or **Update Only** to change the AOI, but not zoom the map. The map will stay where it is.

- **AOI Shapefile** tab: press **Continue** to browse to a locally stored shapefile. The following requirements must be met:
 - The shapefile must be a polygon
 - The shapefile must be referenced to WGS84
 - The shapefile must have less than 2000 vertices

Figure 19: Browse to a Shapefile to use as your AOI



- Once the shapefile is loaded it will be displayed in the map window, and available products will be loaded in the **Select Product** window

Zoom To Your AOI

A properly designated AOI will be represented by shaded yellow area. This area will remain on the map throughout the request. Use the **Zoom To Your AOI** button to zoom to a closer view of your area of interest.

Figure 20: Zoom to AOI



Reset Your AOI

To reset your AOI and create a new one, click the **Reset Your AOI** button. Designating a new AOI will update the My Order details with the new AOI information.

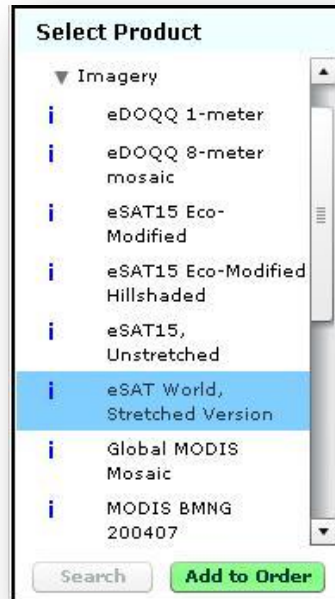
Figure 21: Reset Your AOI



Product Selection

Once you have selected an AOI, a list of products available within your selected AOI will appear in the **Select Product** panel to the left.

Figure 22: Select Product Panel



Search for Footprints

After you select a product in the in the **Select Product** panel, the **Search** or **Add to Order** button will highlight depending on the dataset selected. Follow the steps below to find the data you need and add it to your order.

1. The **Search** button will highlight if the user has selected a temporal dataset, or raw unprocessed satellite data. Click the highlighted Search button to open the **Search Criteria** window. * If non-temporal data was selected and the **Add to Order** button is highlighted, move to step 2.
 - o Enter any of the following criteria such as Date Range, Maximum Cloud Cover, or Scene ID and click the **Search** button
 - o The Product Details window will populate with scenes fitting the search criteria. See Figure 24
 - o Highlight a row and click the highlighted **Add to Order** button to add this image to the shopping cart.
 - o The My Oder window will be updated as images are added.

Figure 23: Search Criteria for Temporal Data

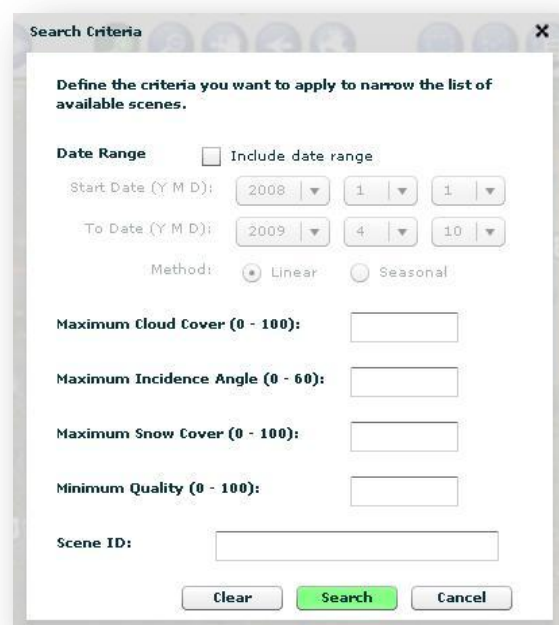


Figure 24: Product Details for Temporal Data

Name/ID	In Order	Browse	Date	Footprint	Metadata	Proc. Level	Cloud Cover	Incidence An	Snow Cover	Quality	License
10100100094		(View)	2009-03-13	<input type="checkbox"/>	(View)		0	17	-	99	None
10100100094		(View)	2009-02-05	<input type="checkbox"/>	(View)		0	11	-	99	None
10100100094		(View)	2009-02-05	<input type="checkbox"/>	(View)		0	11	-	99	None
10100100094		(View)	2009-01-31	<input type="checkbox"/>	(View)		0	19	-	99	None
10100100094		(View)	2009-01-31	<input type="checkbox"/>	(View)		0	18	-	99	None
10100100094		(View)	2009-01-31	<input type="checkbox"/>	(View)		0	17	-	99	None
10100100094		(View)	2009-01-31	<input type="checkbox"/>	(View)		0	16	-	99	None
10100100094		(View)	2009-01-31	<input type="checkbox"/>	(View)		0	15	-	99	None

- Clicking on the **(View)** link in the **Browse** column will open a reduced resolution image of the scene you may order
- Checking the **Footprint** box will display the footprint of the scene onto the map display
- Clicking on the **(View)** link in the **Metadata** column of the product details window will open a window with information about the data

2. If non-temporal data has been selected in the Select Product window, the **Add to Order** button is highlighted. Click the highlighted **Add to Order** button in the Select Product window to add non-temporal data directly to your order.

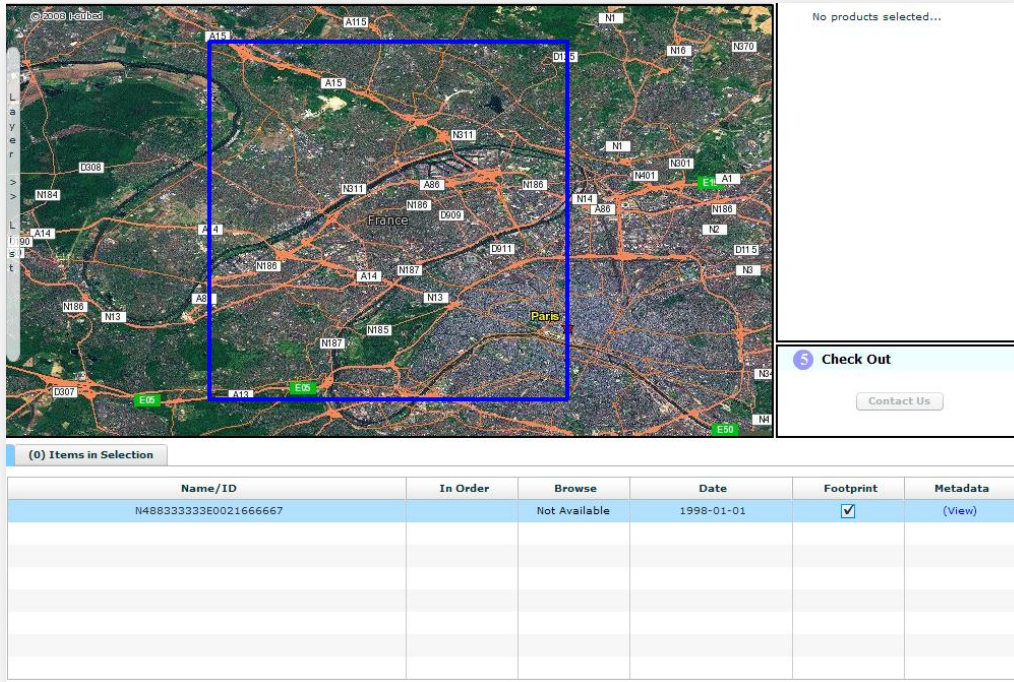
Figure 25: Product Details Panel

Product	Name/ID	Date	Footprint	Browse	Current License	Upgrade License
USGS 2002 30cm HiRes ortho-mosaics	Not Applicable	Not Applicable	<input type="checkbox"/>	Not Available	None	i-cubed Data License
Aerials Express 2006 50cm HiRes ortho-mo	Not Applicable	Not Applicable	<input checked="" type="checkbox"/>	Not Available	None	i-cubed Data License
eSAT15, Unstretched	Not Applicable	Not Applicable	<input type="checkbox"/>	Not Available	None	i-cubed Data License

3. View Footprint

- o Selecting a **Footprint** checkbox will show the footprint in the map with a blue square.

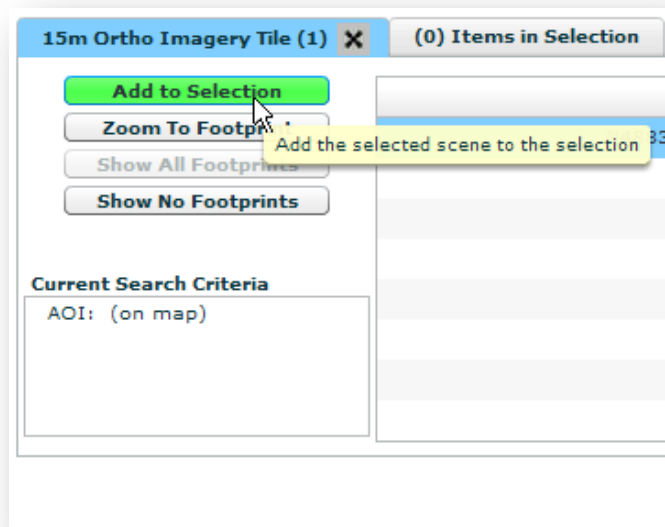
Figure 26: View Footprint



4. Add to Selection

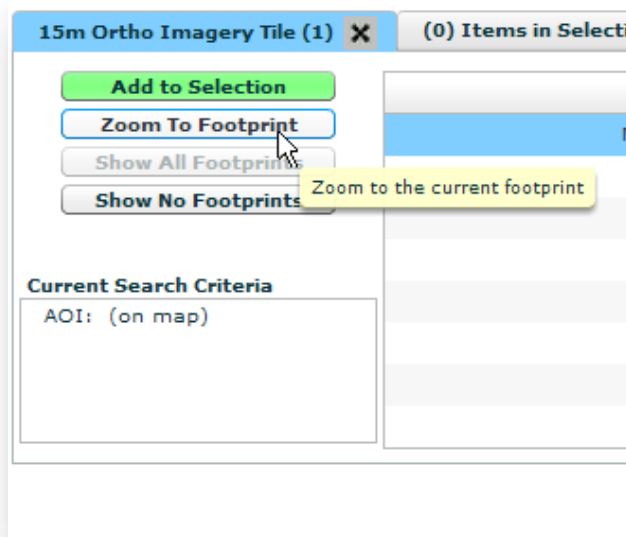
- o To add a footprint to your order, click the **Add to Selection** button on the left in the **Product Details Panel**. The footprint will appear in the **My Selection** panel on the right.

Figure 27: Add to Selection



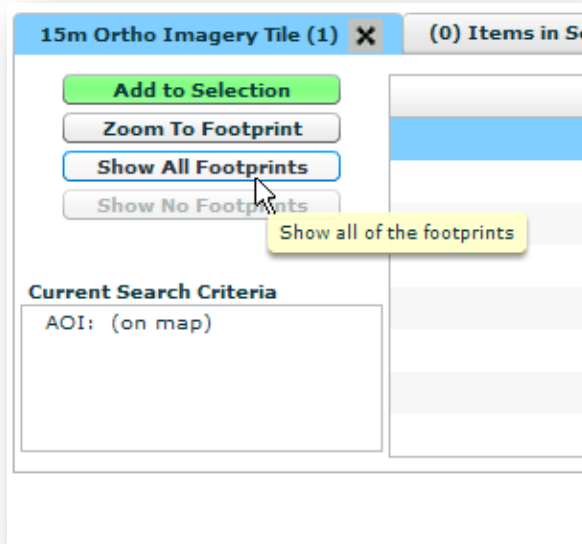
- 5. Zoom to Footprint
 - To center the footprint in the map, click the **Zoom to Footprint** button on the left.

Figure 28: Zoom to Footprint



- 6. Show All Footprints
 - To see all available footprints on the map, click the **Show All Footprints** button on the left

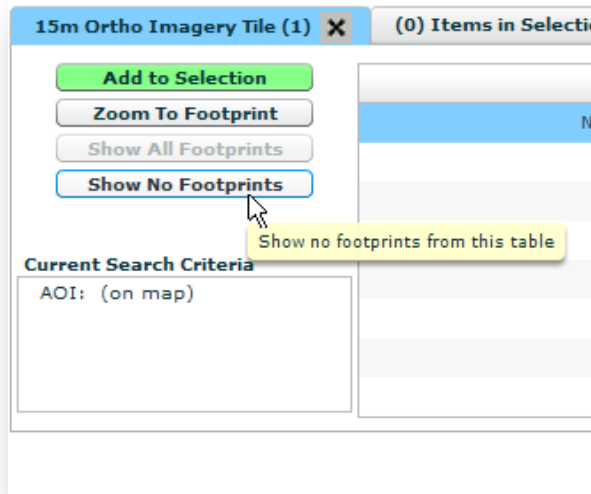
Figure 29: Show All Footprints



7. Show No Footprints

- To remove all visible footprints from the map, click the **Show No Footprints** button on the left.

Figure 30: Show No Footprints



My Order

Once you have added a product the **My Order** section will be populated with **Archive, Product, Number of Items, Sq. mi., Processing, Format, Projection** and **Price**.

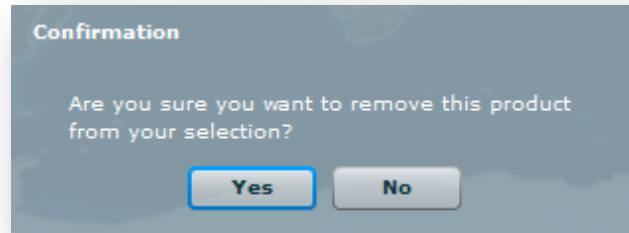
Figure 31: My Selection

1. Archive
 - Name of the dataset Archive
2. Product
 - The product type of your selection
3. # of items
 - The number of items added to your selection
4. Miles²
 - The amount of ground coverage in square miles
 - If the text is red and **(partial)** is shown, the data you are about to purchase does not cover the entire ground area of your AOI.
5. Format
 - The type of **Format** will be displayed here
6. Projection
 - The type of **Projection** will be displayed here
 -
7. Price
 - The **Price** will be displayed here
8. Remove Product



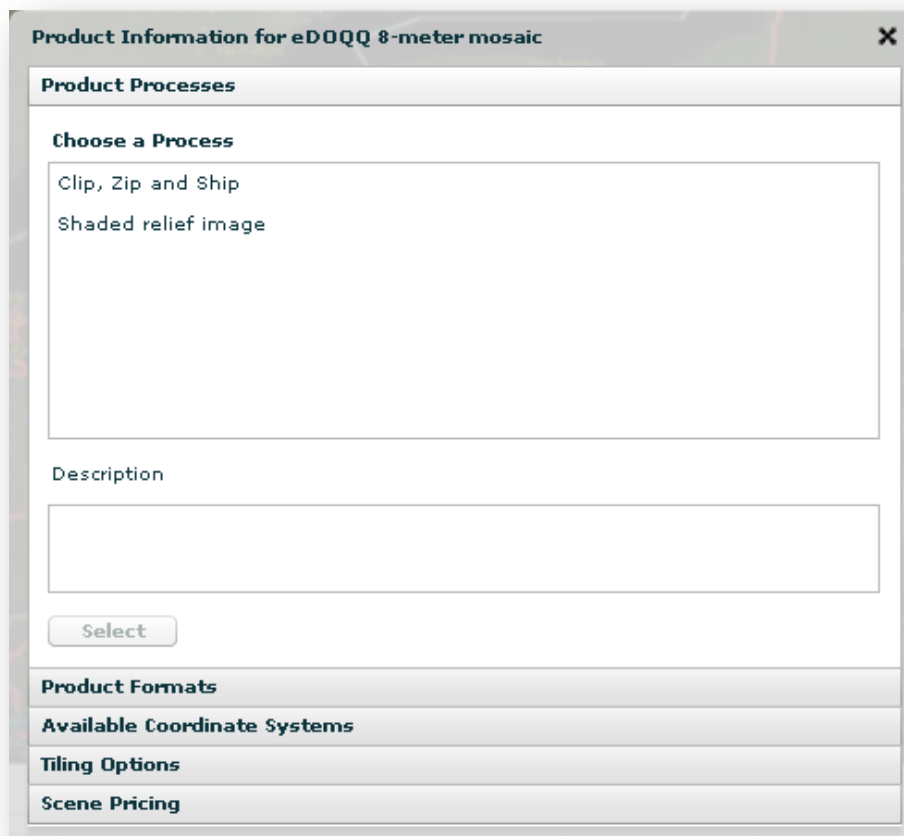
- Clicking on the **(Remove)** link will remove the order. This function will reset the AOI as well. To complete the removal, select **Yes**.

Figure 32 : Remove Selection



- 9. Choosing your Processing options
 - Once you have chosen your product you need to choose the **Processing** options. To do that, click on the **Choose** button in the **My Selection** panel. A **Product Information** dialog will pop up allowing you to step through several options.

Figure 33: Order Checkout Selections



- **Product Process:** The process that will manipulate the image data. Highlight one from the list provided and press the green “Select” button
- **Product Formats:** Select the format the data is be delivered in from the list provided. Click the green “Select” button to continue
- **Available Coordinate Systems:** Choose a projection type that will be applied to the data from the list, and click the “Select” button
- **Tiling Options:** Select a tile size in MB from the “Tile Size (MB)” drop-down list. This will determine the number of tiles to be delivered. The smaller the tile size, the greater number of tiles to be delivered. The largest available tile size is 2GB.
 - Click the “Apply” button
 - The number of expected tiles will be returned. To continue the “Select” button must be pushed
- **Scene Pricing:** The price of the product, if applicable
- When you’re finished selecting your options, click **Proceed** to close the dialog

Check Out

After the processing options have been chosen My Selection has been reviewed, the next step is to Check Out.

Proceed

To continue with the order, click **Proceed**. The **Check Out Information** dialog box will load.

Figure 34: Check Out



Check Out Information: Order Name

Enter the name you wish to apply to the order in the **Name** text area. If you have any notes that you would like to attach to the order, add them in the **Notes to Customer Service** text area.

Click the **Select** button to continue.

Figure 35: Figure 35: Check Out Information - Selection Name

A dialog box titled "Check Out Information" with a close button (X) in the top right corner. The main section is titled "Order Name" and contains the text "Provide a Name for this Order". Below this is a paragraph: "This is an arbitrary reference name. Your internal project number is a good choice." There is a text input field labeled "Name:" with the text "Order Name" entered. At the bottom of this section is a green "Select" button. Below the main section are several tabs: "Shipping Information", "Media", "Taxes", "Credit Card Information", and "Order Summary".

Shipping Information

Fill out the Billing and Shipping information to continue. The items marked with a red asterisk (*) are required. Click **Proceed** to continue to the **Media Selection**.

Figure 36: Check Out Information - Contact Details

Check Out Information X

Order Name

Shipping Information

Supply your shipping information.

Name *

Company

Address *

Address (cont.)

City *

State / Province *

Zip / Postal Code *

Country *

Phone

FAX

Email *

Proceed

Media

Taxes

Credit Card Information

Order Summary

Media Selection

A **Media** selection option will load. Choose how you wish to receive the data. The options are: **FTP, CD, DVD, FTP+CD, and FTP+DVD**. Click **Proceed** to continue to the **Taxes** dialog.

Figure 37: Check Out Information - Media

Check Out Information Area of Interest (AOI) Tools ✕

Order Name

Shipping Information

Media

Choose Your Media

Available media types:

- FTP
- CD - Approximately 1
- DVD - Approximately 1

Select

Taxes

Credit Card Information

Order Summary

Taxes

The taxes dialog will load displaying the taxes added to your order.

Credit Card Information

The Credit Card information dialog will open if you are not a registered user, or logged in. A Guest user will be required to use a credit card. Enter your Credit Card information here.

Figure 38: Enter your Credit Card Information

Check Out Information X

Order Name

Shipping Information

Media

Taxes

Credit Card Information

Credit Card Information  

First Name

Last Name

Address

City

State

Zip Code

Country US (US Credit Cards Only)

Credit Card Number

Expiration Date 04 ▼ 2009 ▼

CVV Code

 Proceed Use Shipping Address

Order Summary

Selection Summary

An **Selection Summary** will load. Review the Order Summary, Billing Information and Order details. To continue to place the order, click **Order**.

Figure 39: Check Out Information - Selection Summary

Check Out Information Area of Interest (AOI) Tools X

Order Name

Shipping Information

Media

Taxes

Credit Card Information

Order Summary

Order Summary

THIS ORDER IS BEING SHIPPED TO:
John
201 Linden Street
Fort Collins, CO 80524
United States
EMAIL ADDRESS: User@YourAddress.com
ORDER NAME: Order Name
PRICE
Product Cost: \$1,293.01
Taxes: \$86.63
Shipping: \$0.00
Total: \$1,379.64

Terms and Conditions ▼ **Read**

I hereby accept the terms and conditions of the license(s) of the Product(s) selected for this order. I understand that this service is currently open to US customers only.

Order **Cancel**

A confirmation and shipment email will be sent to you with the details of your order.



Thank you for using DataDoors™

For questions or concerns contact DataDoors support at support@datadoors.net