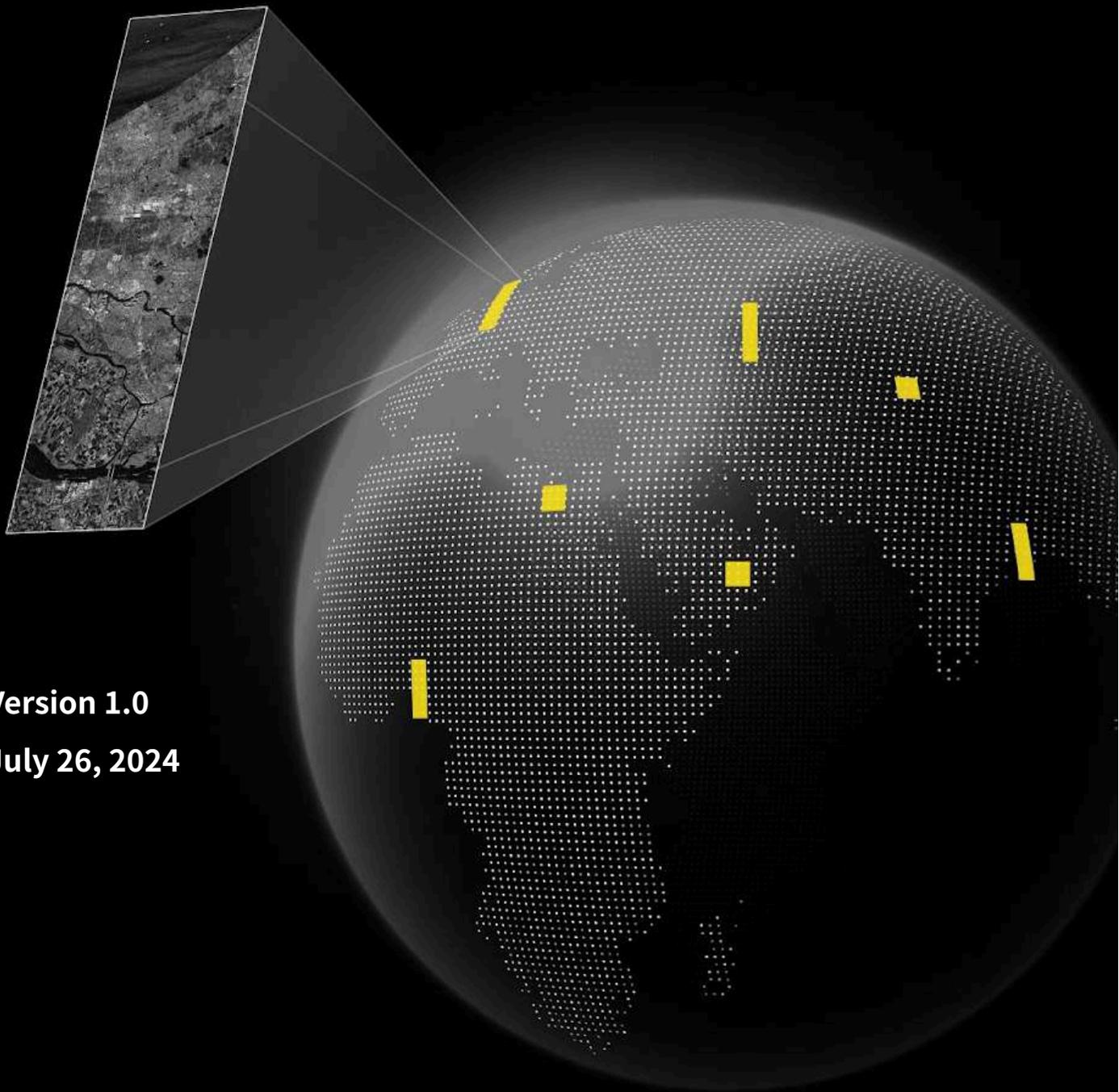


# Synspective Data Platform User Guide

Archive Service Operations Edition



**Version 1.0**  
**July 26, 2024**

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## Revision History

Version	Date	Revision Details
1.0	July 26, 2024	- First draft

## 1 INTRODUCTION

Synspective (the Company) grants licenses for using Synspective SAR data products acquired by its proprietary X-band SAR satellite, StriX. Synspective SAR data products comprise digital image data and corresponding image annotation metadata.

Each imaging mode and processing level define the products, which are Single Look Complex (SLC), Ground Range Detected (GRD), and Super-Resolution Ground Range Detected (Super-Resolution GRD).

The Company's SAR data licensing services include 1, a service to request imaging from the StriX satellite and newly acquired SAR data, and 2, a service to provide SAR data previously acquired by the StriX satellite (Archive Service).

### 1.1 TERMS OF USE

By using the Company's services mentioned above, you agree to all terms and conditions stated in the "Synspective SAR Data End User License Agreement (EULA)" ([https://synspective.com/data\\_eula/](https://synspective.com/data_eula/)) and are expected to use the Company's services accordingly.

### 1.2 ABOUT

The Synspective Data Platform User Guide Archive Service Operations Edition describes the procedures for searching, ordering, and downloading products when using the Archive Service through the Company's data platform.

By following this guide, you will understand the necessary steps to use the platform effectively.

Please note that an account is required to access the Synspective Data Platform. If you wish to create a new account, please contact Synspective at the address below. You can also order products by contacting Synspective's data sales representatives.

Contact: <https://synspective.com/contact/>

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#### NOTES:

THE ACT OF REQUESTING A LICENSE FOR THE PRODUCTS IS REFERRED TO AS "ORDER" IN THE SUBSEQUENT SECTIONS OF THIS GUIDE.

"PRODUCT" IS REFERRED TO AS "SAR IMAGE" IN THE SUBSEQUENT SECTIONS OF THIS GUIDE.

## 2 OVERALL FLOW OF THE ARCHIVE SERVICE

The overall flow of the archive service is as follows:

1. Search for the SAR image archive of the specified area and add it to the cart.
2. Place an order from the cart.
3. Check the order list and download the SAR images.

## 3 LOGIN AND MENU LIST

### 3.1 LOGIN TO THE TOP SCREEN

How to log in to the data platform:

Open your browser and access the login page using the following URL to open the login screen.

1. Login page URL: <https://data.synspective.io/login>
2. Enter your Email Address and Password on the login screen, then click **【Sign In】** to open the top screen (Figure 3.1).

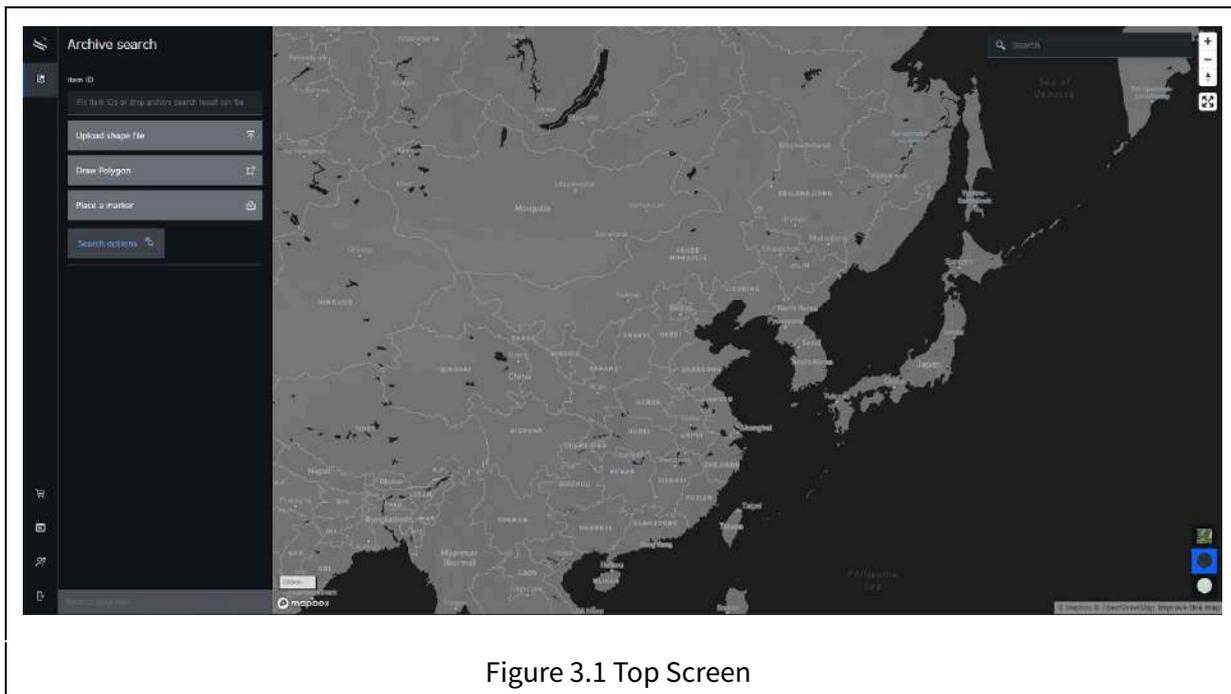
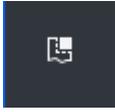


Figure 3.1 Top Screen

## 3.2 MENU LIST

The icons displayed in the area on the far left of the screen make up the menu. Their names and functions are listed in Table 3.1.

Table 3.1 Menu List for Archive Service Users

	Icon	Name	Function
①		<b>Archive Search</b>	<ul style="list-style-type: none"><li>• Search for SAR image archives.</li><li>• Add SAR image archives from the search results to the cart.</li></ul>
②		<b>Shopping Cart</b>	<ul style="list-style-type: none"><li>• View the SAR image archives added to the cart.</li><li>• Order the SAR image archives.</li></ul>
③		<b>Order list</b>	<ul style="list-style-type: none"><li>• Check the list of orders.</li><li>• Download the delivered SAR image archives.</li></ul>
④		User Profile	<ul style="list-style-type: none"><li>• View user information.</li><li>• Change user information, such as the login password. <b>(This is omitted from this guide.)</b></li></ul>
⑤		Logout	<ul style="list-style-type: none"><li>• Exit the screen, log out, and return to the login page.</li></ul>

## 4 ARCHIVE SEARCH MENU

### 4.1 OVERVIEW

1. You can search for SAR image archives of the relevant area by specifying an area.
2. Each user can temporarily save SAR image archives of the target scenes as planned orders.

### 4.2 IMPORTANT POINTS

1. The price of ordering SAR image archives varies depending on when the image was taken. (Please refer to the contract documents for pricing details.)
2. If you add multiple scenes of SAR image archives to the cart, they will be ordered in the same format.
3. If you want to order different formats, repeat the following procedures for each format:
  1. Add the items to the cart.
  2. Place the order.

### 4.3 TERMINOLOGY

- Item ID : The product ID used to manage SAR images for the relevant scene.

The contents of the Item ID include:

1. Satellite name
2. Observation date and time in UTC for the center coordinates of the imaging area
3. Imaging mode [SM, SL, or ST]

Item ID. example : StriX-3\_20240603\_181545\_SM

### 4.4 SCREEN OPERATIONS

The archive search screen opens when you click the Archive Search menu. (Figure 4.1)



Figure 4.1 Archive Search Screen

The following explains the process of searching for SAR image archives of a specified area.

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#### 4.4.1 HOW TO SEARCH FOR SAR IMAGE ARCHIVES

##### 1. Specify the search criteria.

To search for SAR image archives, use one of the methods listed in Table 4.1.

Table 4.1 Methods for Searching SAR Image Archives

	Search Specification Method	Search Method
①	ItemID	<ul style="list-style-type: none"><li>• If it's a single item, enter it directly.</li><li>• For multiple items, enter them separated by commas.</li><li>• Drag and drop the archive search result CSV file.</li></ul>
②	Upload shape file	<ul style="list-style-type: none"><li>• Specify a file limited to a single area.</li></ul> Acceptable file formats are: Shape file : .shp kml file : .kml
③	Draw Polygon	<ul style="list-style-type: none"><li>• Create a polygon by marking endpoints on the map.</li></ul>
④	Place a marker	<ul style="list-style-type: none"><li>• Enter a single coordinate directly.</li><li>• Point a single coordinate with a marker on the map.</li></ul>

##### 2. Perform search.

When you click **【Search Archives】**, the search results list will appear. To further narrow down the search results, specify conditions in the search options.

If there are more than 1,000 search results, the latest 999 SAR images will be shown.

If no results are found, **【No record to display】** will be shown.

##### 3. Identify the SAR image archives from the search results.

Each row in the search results list can be toggled ON/OFF using a checkbox. You can also toggle all rows at once.

##### 4. Confirm the SAR image area.

When the checkbox is turned ON, you can view the SAR image area on the map.

##### 5. Download the search results as a CSV file (optional).

Click **【Download CSV】** to download the information with the checkboxes turned ON as a CSV file. If you want to perform a new search, drag and drop this CSV file into the Item ID field.

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#### 4.4.2 HOW TO TEMPORARILY SAVE SAR IMAGE ORDERS

For the rows with the checkboxes turned ON, perform the following operations as described in 4.4.1:

1. View thumbnail images (optional)

Click the icon (scene details) on the far right of the row to open a screen displaying the thumbnail image. By checking the imaging area on the map screen and the thumbnail image, you can preview the SAR image.

2. Add to the cart as a scheduled order.

Click **【Add to shopping cart】** to temporarily save the SAR images from the selected rows to the cart.

## 5 SHOPPING CART MENU

### 5.1 OVERVIEW

1. The information in the cart is displayed on a per-user basis.
2. You can place orders from the cart.

### 5.2 IMPORTANT POINTS

1. When you place an order, all the items in the cart will be ordered simultaneously.
2. Once you place an order, it cannot be changed or canceled.
3. If you exceed the contract amount, you cannot place the order.
4. The number of days required to provide SAR images after ordering varies depending on their status. Some images may be available for immediate download, while others may take several days. Additionally, the download availability period for SAR images varies.

### 5.3 TERMINOLOGY

- Archive req no. : The archive order management number

The contents of the Archive req no. include:

1. Contract information identification number
2. Registration date (UTC)
3. Serial number

Archive req no. example : 999-202406-00001

### 5.4 SCREEN OPERATIONS

The cart screen opens when you click the **【Shopping Cart】** menu. (Figure 5.1)

The number of SAR images temporarily saved in the cart is displayed at the top right of the cart icon in the menu.

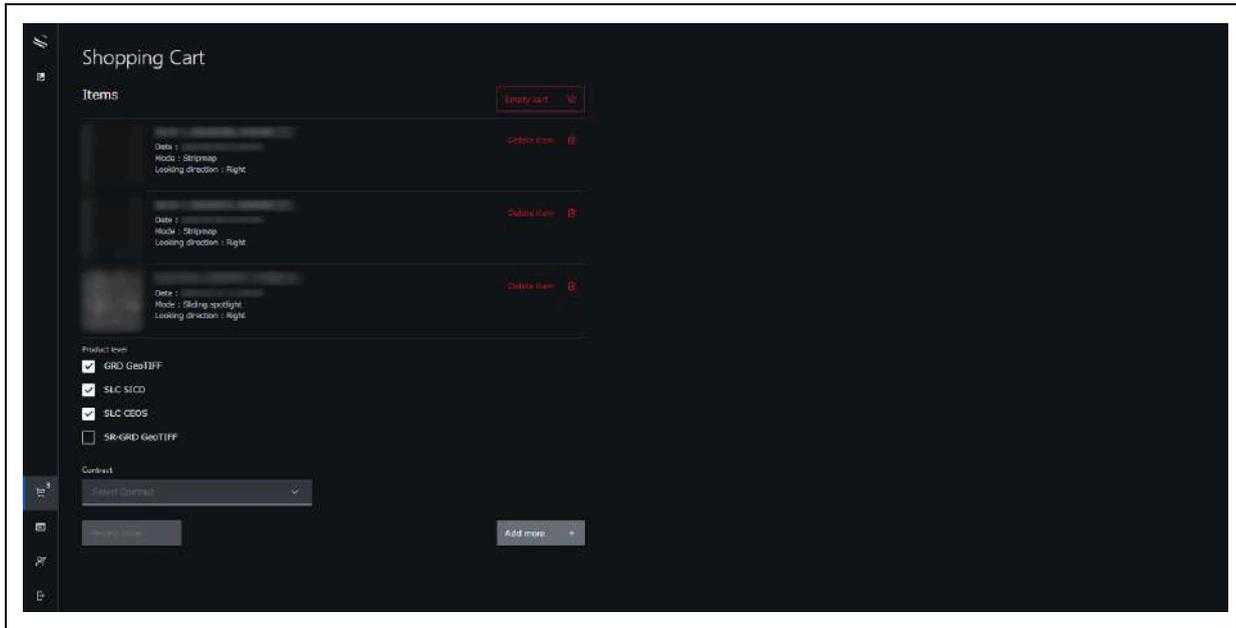


Figure 5.1 Cart Screen

This section explains the process of placing an order from the cart.

#### 5.4.1 HOW TO PLACE AN ORDER FROM THE CART

1. Review the information on SAR images in the cart.

SAR images marked with **【This item has already been purchased】** in red indicate that these images were ordered previously. Ensure that ordering these SAR images again is necessary, for example, if you need the latest software version of the product.

2. Organize the information in the cart (optional).

- Click **【Add more +】** to return to the archive search screen.
- Click **【Empty cart】** to reset all information in the cart, making it empty.
- Click **【Delete Item】** to remove only the selected SAR image from the cart.

3. Specify the format of the SAR images. (Turn ON the selection checkbox)

4. Specify the user's contract information.

5. Review the order information.

Click **【Review order】** to open the order confirmation screen.

In the order details, you can check the aggregated contents classified by price category.

If the contract amount is exceeded, the order cannot be placed.

6. Submit the order.

To order all the SAR images in the cart, click **【Submit order】** .

7. Confirm the order completion.

Once the order is confirmed, all information in the cart will be reset and emptied. An **Archive req no.** will be assigned to the order information, which can be located in the order list menu.

## 6 ORDER LIST MENU

### 6.1 OVERVIEW

1. The order information from each user within the same organization and the relevant contract are displayed.
2. After placing an order, you can download the SAR image files.

### 6.2 IMPORTANT POINTS

1. The download period is up to two weeks from the time of order, regardless of the status of the SAR images.

### 6.3 SCREEN OPERATIONS

The order list screen opens when you click the **Order list** menu. (Figure 6.1)

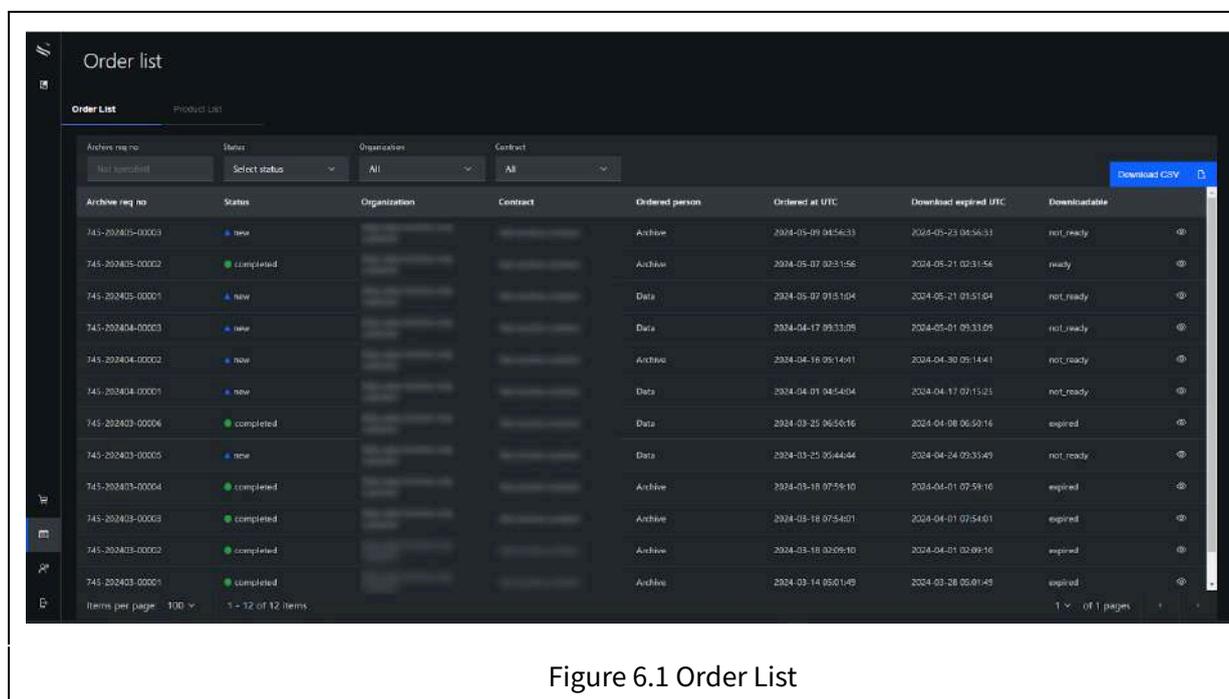


Figure 6.1 Order List

This section explains the process of checking the order list and downloading SAR image files.

#### 6.3.1 HOW TO CHECK THE ORDER LIST

1. Check the status of each order.

All orders are displayed simultaneously. The input fields at the top of the list serve as filtering functions. By specifying values, you can limit the rows displayed. The status information is as follows in Table 6.1:

Table 6.1 Status Information

	Status	Meaning
①	new	New request or in progress
②	completed	All requested files have been provided
③	failed	All requested files could not be provided

The download availability status is shown in Table 6.2.

Table 6.2 Download Availability Status

	Status	Information
①	not_ready	New request or some of the requested files are available for download
②	ready	All requested files are available for download
③	expired	Download is not possible (expired)

Clicking **【Download CSV】** will download the information from the order list as a CSV file.

2. Check the status of SAR images for each order.

Click the icon (View) on the row's far right to check the SAR images' status.

3. If the buttons are active, you can proceed with the download.

Clicking **【Download product list CSV】** will download the SAR image information as a CSV file.

Clicking **【Copy Link】** will copy the download URL.

Clicking **【Download】** will start the download.

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### 6.3.2 HOW TO CHECK FROM THE DELIVERY LIST

Click the **【Productlist】** tab to open the delivery list screen. (Figure 6.2)

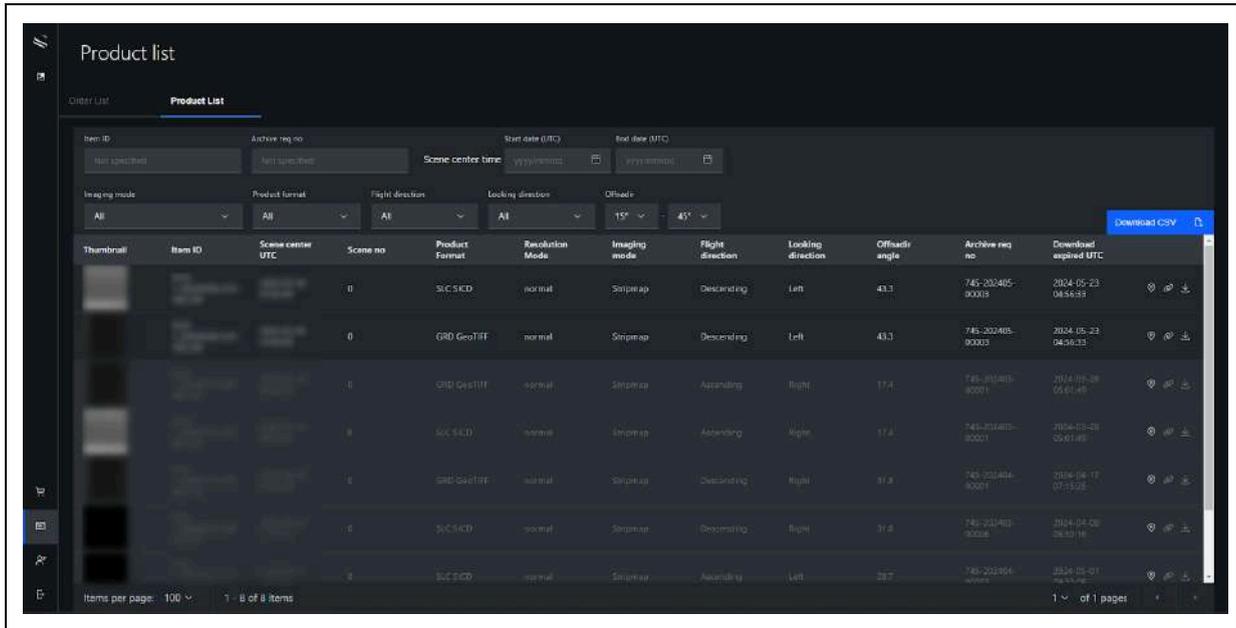


Figure 6.2 Delivery List Screen

1. Check detailed information for each delivery file.

All delivery files are displayed simultaneously. The input fields at the top of the list serve as filtering functions. By specifying values, you can limit the rows displayed.

Clicking **Download CSV** will download the SAR image information as a CSV file.

Clicking **Location** allows you to view the area on the map.

Clicking **Link** copies the download URL.

Clicking **Download** starts the download.

## 7 ADDITIONAL INFORMATION

### 7.1 SAR IMAGE FILE NAMES

Naming Format: The following items are separated by underscores (\_):

1. Fixed string: "STRIX\_"
2. Order code at the time of imaging
3. Observation date and time in UTC for the center coordinates of the imaging area
4. Imaging mode: [SM or SL or ST]
5. File format 1: [SLC or GRD or SR-GRD]
6. File format 2: [CEOS or SICD or Geotiff]

Example of file name : STRIX\_202307-00001\_20230701T002037Z\_SM\_GRD\_Geotiff.zip

### 7.2 NOTIFICATION EMAILS

1. Order information will be sent once an order request is placed.
2. Delivery information will be provided once the data is available for download.
3. If the file is unavailable, we will provide a detailed report.

### 7.3 DOWNLOADABLE CSV FILES

The contents of downloadable CSV files available from the archive service are summarized as follows:

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#### 7.3.1 ARCHIVE SEARCH RESULT CSV FILE

Naming Format:

1. Fixed string: "archive\_search\_result\_"
2. Download date and time (timestamp)

Example of file name : archive\_search\_result\_20240604140800.csv

Use this to research ItemID and share archive information as a candidate list.

---

#### 7.3.2 ORDER LIST CSV FILE

Naming Format:

1. Fixed string: "order\_info\_"
2. Download date and time (timestamp)

Example of file name : order\_info\_20240604153615.csv

This file is intended to manage order information.

---

#### 7.3.3 ORDER LIST DETAILS CSV FILE

Naming Format:

1. Fixed string: "archive\_order\_detail\_"
2. Download date and time (timestamp)

Example of file name : archive\_order\_detail\_20240604153512.csv

This file is intended to obtain detailed information for each order, such as URL links.

---

#### 7.3.4 DELIVERY LIST CSV FILE

Naming Format:

1. Fixed string: "archive\_product\_info\_"
2. Download date and time (timestamp)

Example of file name : archive\_product\_info\_20240604154144.csv

This file is intended to manage delivery information and obtain detailed information such as URL links.

## 8 FAQ

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### INQUIRY 1

I want to download a SAR image file, but I'm unable to do so.

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### ANSWER 1

Could you please check the Downloadable status on the order list?

If the Downloadable status is not ready, it may take some time before the file is available for download. Please allow ten days to pass, and then recheck the Downloadable status.

Please get in touch with us if the status is still not ready ten days after the order. We will check the situation and respond accordingly.

If the Downloadable status is ready, please contact us. We will assess the situation and respond accordingly.

If the Downloadable status has expired, you will not be able to download the file. Please contact us to extend the download period.

When inquiring, please provide us or the sales agent with the relevant **Archive req no.**

The download expiration extension period is one week. If you wish to extend the period further, please provide **the Archive req no** and **your desired extension date.**

Once you receive the notification that the extension has been completed, please download the file.

