

AUIG-2 operation procedure

KC meeting #21@Kyoto

Dec. 05,2014

Top page of AUIG2 (ALOS-2/ALOS User Interface Gateway)



宇宙航空研究開発機構
Japan Aerospace Exploration Agency

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AUIG2 ALOS-2 / ALOS User Interface Gateway

Service for registered user

User ID

Password

[Login](#)

[Forgot your password? Click here](#)

Try Our Guest Search

[Start Searching](#)

The guest user(user not registered) can also carry out the below search

- Catalog Search
- Disaster Product Search

Service for the registration users makes the JAXA person concerned and the person of the organization and a group who covenanted with an agreement conclusion, a joint research engine and JAXA the subject.
All people can use service for the guest users.

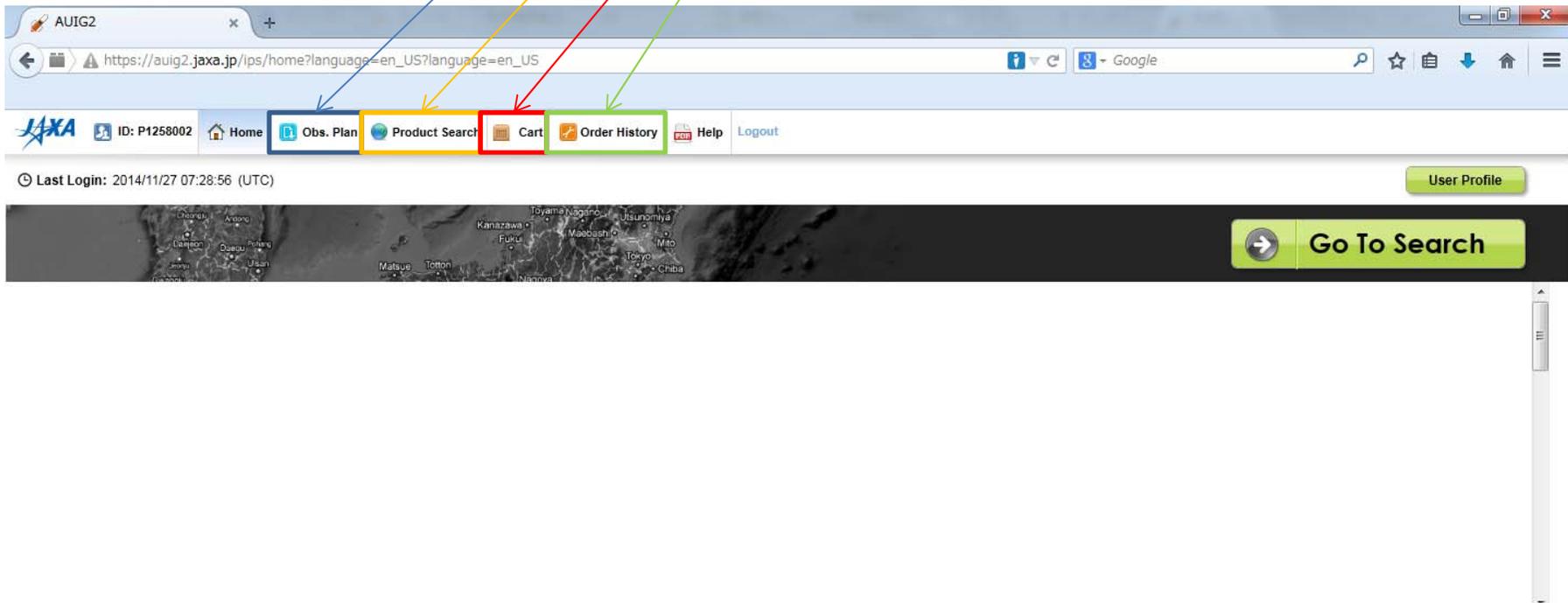
⚠ Please do not use "Back" button in AUIG2. If it is used, it may not work properly.

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AUIG-2 information including User ID and Password will be announced by EORC order desk.

Functions to:

1. Check observation plans
2. Search products
3. Order products (**ALOS/ALOS2**)
4. Check Order History



1. Check observation plans

The screenshot displays the AUIG2 web application interface. The browser address bar shows the URL `auig2.jaxa.jp/SSPGIS.html?language=en-US&toid=1843668072`. The navigation menu includes 'Home', 'Obs. Plan' (highlighted with a red box), 'Product Search', 'Cart', 'Order History', 'Path Conv.', 'Help', and 'Logout'. The 'Obs. Plan' dropdown menu is open, showing 's. search' and 'ad. search' (both highlighted with red boxes). The search filters on the left include:

- Sensor:** ALOS-2 (checked), PALSAR-2 (checked).
- Search method:** Not specify area(all) (selected), Envelope specification.
- Target period:** 11/27/2014 to 5/26/2015.

The main area features a world map with various cities labeled. The map is in Mercator View. A scale bar at the bottom right indicates 3000km and 2000m. The coordinates `(-45.48,147.23)` are displayed in the bottom right corner. The page number '4' is visible at the bottom right.

1. Check observation plans

Obs. plan search(advanced)

s. search ad. search

Setting List Field

Search condition loading /saving

SPT HH

Right

Fly direction

Ascending

Search method

Not specify area(all).

Envelope specification

Point specification(with radius)

Polygon specification

Shape file specification

KML file specification

Path/degree specification

Sensor operating segment ID

(35.48 135.1), (35.48 136.5)

(34.54 135.1), (34.54 136.5)

SMD

Map display

Target period

11/27/2014 5/26/2015

Search Clear

Mercator View Polar North Polar South Map Satellite

(37.62,133.52)

100km
65mi

✓ Obs plan can be searched by setting areas, target periods, and obs mode etc..

✓ PIs can check if their requested obs were programmed or not.

1. Check observation plans

- ✓ Weekly observation requests are programmed on every Thursday .
- ✓ The status of requested observations in next week can be checked using an “observation plans” function .
- ✓ Note that even if the obs was programmed once on Thursday, it will be sometimes cancelled after that due to, for example, emergency observations.

Dec 2014

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

1. Check observation plans

The screenshot shows the AUIG2 web application interface. The browser address bar displays the URL: `auig2.jaxa.jp/SSPGIS.html?language=en-US&toid=1843668072`. The application header includes the JAXA logo, user ID (P1258002), and navigation links for Home, Obs. Plan, Product Search, Cart, Order History, Path Conv., Help, and Logout.

The main interface is divided into several sections:

- Obs. plan search(simple):** Includes search fields (s. search, ad. search), a Setting List Field for sensors (ALOS-2, PALSAR-2, WD1, WD2, SM1, SM2, SM3, SPT), search methods (Not specify area(all), Envelope specification), coordinate input fields, SMD checkbox, Map display button, Target period (11/17/2014 to 12/7/2014), Search button, and Clear button.
- Map:** A map of Japan with a yellow rectangular selection box over the Kanto region. The map includes navigation controls and a scale bar (90km/55mi).
- List display:** A table showing observation plans. The 'Export' button is highlighted with a red circle.
- Detailed information:** A panel on the right showing details for the selected observation plan.

Show	Delete	Target	Sensor operating segment ID	Satellite name	Sensor type	Obs. table type	Obs. mode
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SARD000000047608	ALOS-2	PALSAR-2	Normal table usage	WD2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SARD000000047830	ALOS-2	PALSAR-2	Emergency table usage	SM3
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SARW000000044049	ALOS-2	PALSAR-2	Normal table usage	SM1

The detailed information panel on the right shows the following details for the selected observation plan:

- Sensor operating segment ID: SARW000000044049
- Satellite name: ALOS-2
- Sensor type: PALSAR-2
- Obs. area: [Empty]
- Obs. table type: Normal table
- Obs. mode: SM1
- Polarization: HH
- Obs. direction: Right
- Beam No.: U2-9
- Off nadir angle: 38.2
- Roll angle: -30
- Fly direction: Descending
- Obs. ID: 98

The data of the list field is outputted to a CSV file.

Obs. start latitude argument: 143.8181
Obs. end total round number: 2809
Obs. end latitude argument: 147.6818
Obs. start time: 2014/11/30
Obs. end time: 2014/11/30

Saved as a csv file

2. Search products

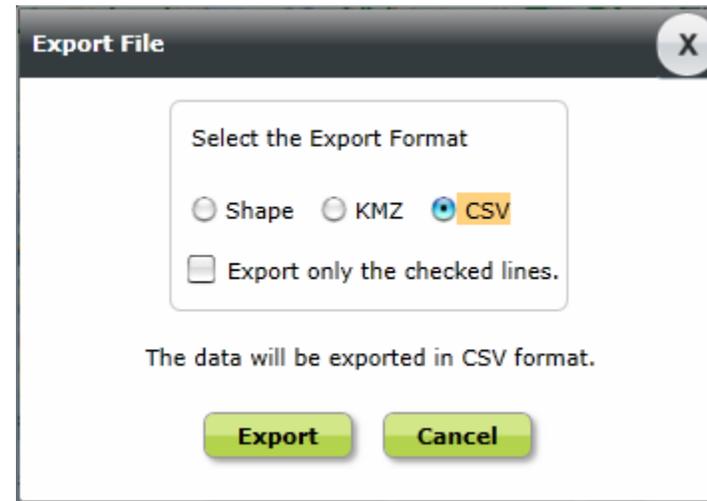
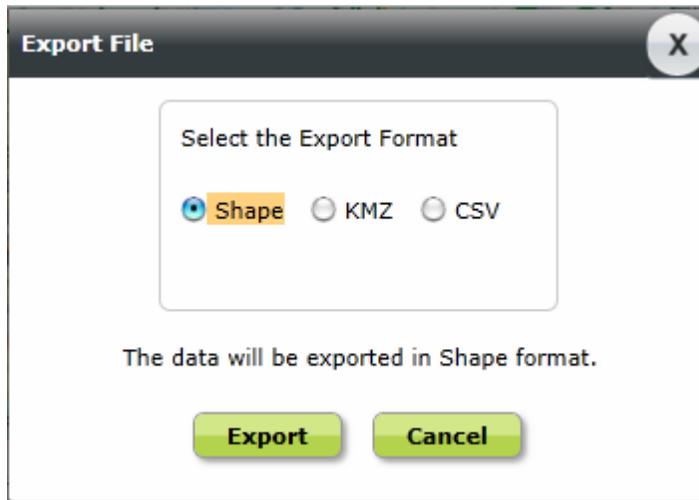
The screenshot shows the AUIG2 web interface. On the left, there are search filters for Beam No., SM3, Polarization, Observation Direction, and Off-nadir(deg). The central map shows a satellite view of Japan with several green and red rectangular search areas. On the right, there is a 'Scene Details' panel with a thumbnail image and a table of metadata. Below the map is a table of search results with columns for Scene ID, Sensor Name, Satellite Name, Observation Start Date, and Observation End Date. The 'Export' button is circled in red, and a callout box points to it with the text 'Export results'.

Scene ID	Sensor Name	Satellite Name	Observation Start Date	Observation End Date
ALOS2025582880-141113	PALSAR-2	ALOS-2	2014/11/13 03:28:26	2014/11/13 03:32:11
ALOS2025582890-141113	PALSAR-2	ALOS-2	2014/11/13 03:28:26	2014/11/13 03:32:11
ALOS2026322870-141118	PALSAR-2	ALOS-2	2014/11/18 03:37:00	2014/11/18 03:39:36
ALOS2026322880-141118	PALSAR-2	ALOS-2	2014/11/18 03:37:00	2014/11/18 03:39:36
ALOS2026540690-141119	PALSAR-2	ALOS-2	2014/11/19 14:51:10	2014/11/19 14:51:53
ALOS2026540700-141119	PALSAR-2	ALOS-2	2014/11/19 14:51:10	2014/11/19 14:51:53
ALOS2026980710-141122	PALSAR-2	ALOS-2	2014/11/22 14:17:45	2014/11/22 14:17:45
ALOS2026980720-141122	PALSAR-2	ALOS-2	2014/11/22 14:17:45	2014/11/22 14:17:45

Item name	Value
Sensor Name	PALSAR-2
Operation Mode	SM1
Scene ID	ALOS2026980720-141122
OBS Path Number	122
Centre Frame Number	720
Orbit Data Type	Fixed orbit
Observation Start Date	2014/11/22 14:16:13
Observation End Date	2014/11/22 14:17:49
Satellite Name	ALOS-2
Orbit Direction	Ascending
Observation Direction	Left side observation
Nadir Pointing Angle	
Forward Pointing Angle	
Backward Pointing Angle	
Pointing Angle	0
Off Nadir Angle	29.1
Polarization	HH
Table Number	1106
Beam No	U2-6
Rev Correction	
Gain Nadir	
Gain Forward	
Gain Backward	
Gain Status	
Position X	-4357.756656

✓ Products can be searched by setting areas, target periods, and obs mode etc..

2. Search products



✓The results can be exported in Shape, KMZ, or CSV formats.

3. Order products

Select data to be processed using “Product Search” function.

The screenshot shows the AUIG2 web interface. The top navigation bar includes 'Product Search' and 'Cart' buttons. The left sidebar contains search filters for Beam No., SM3, Polarization, Observation Direction, and Off-nadir. The center map displays search results over a geographical area. The bottom table lists search results with columns for Scene ID, Sensor Name, Satellite Name, and Observation Start Date. A table on the right shows scene details.

Scene ID	Sensor Name	Satellite Name	Observation Start Date	Observation End Date
ALOS2024470690-141105	PALSAR-2	ALOS-2	2014/11/05 14:51:07	2014/11/05 14:51:47
ALOS20244692900-141107	PALSAR-2	ALOS-2	2014/11/07 03:03:50	2014/11/07 03:04:14
ALOS2025582870-141113	PALSAR-2	ALOS-2	2014/11/13 03:28:26	2014/11/13 03:32:11
ALOS2025582880-141113	PALSAR-2	ALOS-2	2014/11/13 03:28:26	2014/11/13 03:32:11
ALOS2025582890-141113	PALSAR-2	ALOS-2	2014/11/13 03:28:26	2014/11/13 03:32:11
ALOS2026322870-141118	PALSAR-2	ALOS-2	2014/11/18 03:37:00	2014/11/18 03:39:39
ALOS2026322880-141118	PALSAR-2	ALOS-2	2014/11/18 03:37:00	2014/11/18 03:39:39
ALOS2026540690-141119	PALSAR-2	ALOS-2	2014/11/19 14:51:10	2014/11/19 14:51:55

Item name	Value
Sensor Name	PALSAR-2
Operation Mode	SM1
Scene ID	ALOS2025582890-141113
OBS Path Number	25
Centre Frame Number	2890
Orbit Data Type	Fixed orbit
Observation Start Date	2014/11/13 03:28:26
Forward Pointing Angle	
Backward Pointing Angle	
Pointing Angle	0
Off Nadir Angle	29.1
Polarization	HH
Table Number	1106
Beam No	U2-6
Rev Correction	
Gain Nadir	
Gain Forward	
Gain Backward	
Gain Status	
Position X	-3880.577447

1. Mark scenes to be ordered.

2. Add the selected scenes to Cart

3. Open Cart dialog

3. Order products

2. Select "Parameter Settings" button

1. Select and highlight the target scenes

No	Set	Ord.	Order Details ID	Satellite	Sensor	Scene ID	Thumbnail	Operation Mode	Orbit Direc
1		<input checked="" type="checkbox"/>	0000000024288	ALOS-2	PALSAR-2	ALOS2026980710-141122		SM1	Ascending
2		<input checked="" type="checkbox"/>	0000000024289	ALOS-2	PALSAR-2	ALOS2026980720-141122		SM1	Ascending
3		<input checked="" type="checkbox"/>	0000000024290	ALOS-2	PALSAR-2	ALOS2026980730-141122		SM1	Ascending

Observation order limit information for 治 磯 口

Satellite Name	Order Limit(A)	Ordered product count (B)	Remaining Order limit (A-B)	Number of items in the cart
ALOS-2	100	0	100	3
ALOS	137	10	127	0

(Note) Shipping(Offer) Schedule

The shipping schedule is the number of days required for shipment, and this period may change.
Only EOC business day are counted.
If Level 0 data has not yet been entered, this period is the number of days after the data is entered.
If you put a hold after an observation is recorded, this period is the number of days after the hold is released.
If the receiving party is outside Japan, input of Level 0 data and product shipment will be delayed.
If there are backlogs from other users, shipment of your products may be delayed.

[Go To Order](#)

3. Order products

Parameter settings

Parameter Settings

Pattern selection: Default Settings [Load] [Register parameters] [Delete patterns]

Processing Level: 1.5

Orbit Accuracy: Most Accurate and Available Defined Orbit Ephemeris

Resampling: CC NN BL

Image Orientation: GeoCoded GeoRef

Map Direction: Map

Map Projection: UTM PS LCC MER

Format: CEOS GeoTIFF JPEG GeoPDF

Scene Shift

Scene ID	Scene Shift	Center Lat	Center Lon	Orbit Data Type	Processing Level 0
ALOS2026980730-141122	0	35.495	135.905	Fixed orbit	Yes
ALOS2026980710-141122	0	34.515	136.227	Fixed orbit	Yes
ALOS2026980720-141122	0	35.005	136.067	Fixed orbit	Yes

[Update] [ADD] [Cancel]

Update after setting

- Set parameters for processing (orbit accuracy, resampling , image orientation, format, pixel spacing, scene shift etc.)
- Parameters depend on processing level (Level1.1/Level1.5).
- Applied parameter setting can be saved as a file.

3. Order products

Go To Order

The screenshot shows the AUIG2 web application interface. At the top, there is a navigation bar with links for Home, Obs. Plan, Product Search, Cart, Order History, Help, and Logout. The main content area is titled "My Current Shopping Cart" and contains a table with the following data:

No	Set	Ord	Order Details ID	Satellite	Sensor	Scene ID	Thumbnail	Operation Mode	Orbit Direc
1		<input checked="" type="checkbox"/>	000000024300	ALOS-2	PALSAR-2	ALOS2022840750-141025		WD1	Ascending

Below the table, there is a section titled "Observation order limit information for 治 機口" with the following table:

Satellite Name	Order Limit(A)	Ordered product count (B)	Remaining Order limit (A-B)	Number of items in the cart
ALOS-2	100	0	100	1
ALOS	137	10	127	0

Below the table, there is a note about the shipping schedule:

(Note) Shipping(Offer) Schedule
The shipping schedule is the number of days required for shipment, and this period may change. Only EOC business day are counted.
If Level 0 data has not yet been entered, this period is the number of days after the data is entered.
If you put a hold after an observation is recorded, this period is the number of days after the hold is released.
If the receiving party is outside Japan, input of Level 0 data and product shipment will be delayed.
If there are backlogs from other users, shipment of your products may be delayed.

At the bottom of the interface, there is a "Go To Order" button, which is circled in red. A red square on the map of Japan indicates the location of the order.

Go To Order

3. Order products

Order Options

Order Options

Provision Method:

Download HTTPS HTTP

Delivery

Password Protection

On Off

Return To Cart Next

“Next” to confirm order

- Select provision method (download/media delivery)
- Password setting is optional.

*Providing in parts:

If several scenes are ordered, data just processed are provided in turns.
If not checked, provision starts after all ordered scenes are successfully processed.

3. Order products

Confirmation of Order

Confirmation of Order Contents

No	Set	Ord	Order Details ID	Satellite	Sensor	Scene ID	Thumbnail	Operation Mode	Orbit Direction	Obs
1		<input checked="" type="checkbox"/>	0000000024300	ALOS-2	PALSAR-2	ALOS2022840750-141025		WD1	Ascending	Right

Data list to be ordered

Destination Information FTP Information Order Options

Delivery Name : No data is available because providing method is not online.

Delivery Address :

Delivery Postal Code :

Company Name :

Department Name :

Telephone No. :

Extension No. :

Fax No. :

Provision Method: Download - HTTPS

Password Protection : Off

Providing in Parts : No

Applied order options

Observation order limit information for 治 磯口

Satellite Name	Order Limit(A)	Ordered product count (B)	Remaining Order limit (A-B)	Number of items in the cart
ALOS-2	100	0	100	1
ALOS	137	10	127	0

Order limit information

Back **Order**

Complete order

4. Order History

Order History window

Order History

Order ID. Order Status Order Date

Sensor OBS Date

Display

No	Details	Order ID.	Order Date	Order Status	Status Update Date Time(UTC)	Product Count	Providing Method	Password Protection	Ord
1		0000005413	2014/11/27	Order receiving completed	2014/11/27 10:49:48	1	HTTPS	Off	20
2		0000004639	2014/11/11	Downloadable	2014/11/11 12:25:49	1	HTTPS	Off	20
3		0000004640	2014/11/11	Downloadable	2014/11/11 12:25:41	1	HTTPS	Off	20
4		0000004642	2014/11/11	Downloadable	2014/11/11 12:16:17	1	HTTPS	Off	20
5		0000004641	2014/11/11	Downloadable	2014/11/11 12:15:33	1	HTTPS	Off	20
6		0000003045	2014/10/08	Downloadable	2014/11/11 04:12:38	1	HTTPS	Off	20
7		0000003052	2014/10/08	Providing cancelled (Operations c	2014/10/22 02:25:35	1	HTTPS	Off	20
8		0000003053	2014/10/08	Error check in progress (Product	2014/10/22 02:23:44	1	HTTPS	Off	20
9		0000003048	2014/10/08	Providing cancelled (Operations c	2014/10/22 02:14:13	1	HTTPS	Off	20
10		0000003051	2014/10/08	Providing time period ended	2014/10/08 10:55:02	1	HTTPS	Off	20

Order status

Displaying 10 of Total 14 items

Show 10 Per Page 1 2 1 of 2

Observation order limit information for 治 磯口

Satellite Name	Order Limit(A)	Ordered product count (B)	Remaining Order limit (A-B)
ALOS-2	100	1	99
ALOS	137	10	127

Order limit information

5. EORC Order Desk

Please contact the receptionist below for any questions.

Z-orderdesk@jaxa.jp

Thank you for your attention.