ASTER Search Site

User's Manual

December 15, 2014

Revision History			
Version	Date	Description of Revision	Remarks
1st Ver.	2014/12/15	Release of the first version.	-

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1. ASTER Search

1.1. ASTER Search

ASTER Search provides services to search and order ASTER data products on the website.

Internet Explorer 7.0 or greater, Fire Fox 12.0 or greater are recommended as web browsers for using ASTER Search.

1.2. Access to ASTER Search

Visit the following site of ASTER Search.

http://gds.ersdac.jspacesystems.or.jp/

The structure of ASTER Search is shown below, and each screen is accessible from its top screen. Depending on a screen, user certification is required.

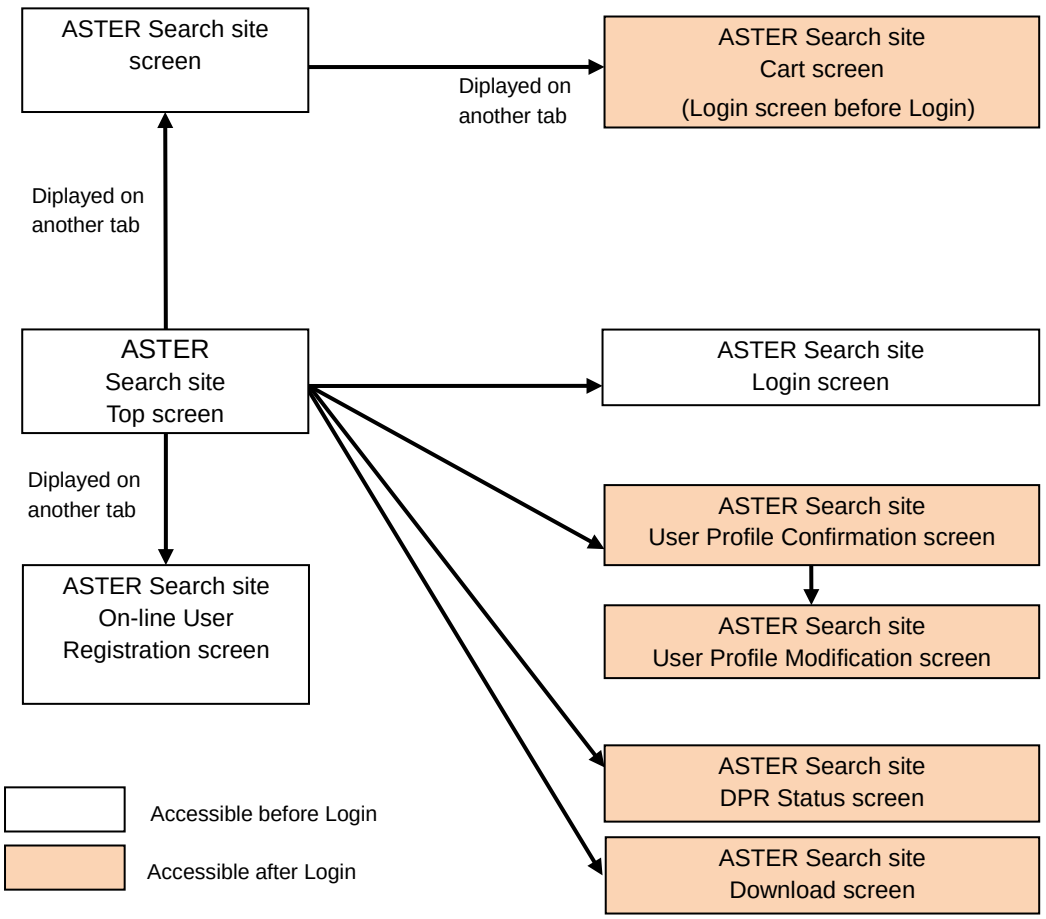


Fig. 1.2-1 Structure of ASTER Search Site

You need your user account to login ASTER Search site and order data products. Get your user account by registering on [User Registration] screen of ASTER Search. Registrated information can be changed. For details, see “2.2 User Registration”.

1.3. Definitions

■ ASTER L1A Product

ASTER L1A product is generated by applying realignment processing to ASTER observation data. Geometric and radiometric correction coefficients including SWIR parallax correction and inter-telescope miss-registration correction are appended. But these corrections are not applied to the image data.

■ Inventory

Inventory is the catalog information on each scene, such as observation time, geolocation, cloud coverage for ASTER, and quality assurance of image data. Inventory information on the generated products is stored and managed in the database. By inventory search described in later part, inventory information managed at GDS can be retrieved under the specified search conditions.

■ Granule

Granule is the smallest aggregation of data for observation to be stored, managed, and delivered at GDS (Global Data System). Each scene has a granule ID to identify its corresponding inventory.

1.4. Services Provided at ASTER Search Site

1.4.1. Data Products Search Service

Data product search service provides search ASTER data (L1A product).

Data product search is performed by methods shown below.

1.4.1.1. Inventory Search

Search ASTER data through specifying inventory information such as observation time and area as search conditions. L1A scenes are retrieved by this method.

Select data products on the search results to add to [Cart] for making an order.

1.4.1.2. Granule ID Search

Search ASTER data through specifying granule IDs. L1A scenes are retrieved by this

method. Although you can search with high level products of ASTER data, only ASETR L1A products are listed on [Search Result]. Up to 500 Granule IDs are searchable at one time.

1.4.2. Data Product Order Service

You can make orders searched ASTER data. Processing parameters for each product are specified in the ordering process to request higher level products.

User certification on ASTER Search is required to order data products.

1.4.3. DPR Status Display Service

Regarding data product orders, every status of the last orders are referred on [Data Product Order Service]. Only unpaid orders can be cancelled there. User certification is required.

1.4.4. Online User Registration Service

User registration is available on ASTER Search. User information is required to register. You can confirmed and modify own user information

2. Operation Procedures

2.1. Outline of Top Screen of ASTER Search

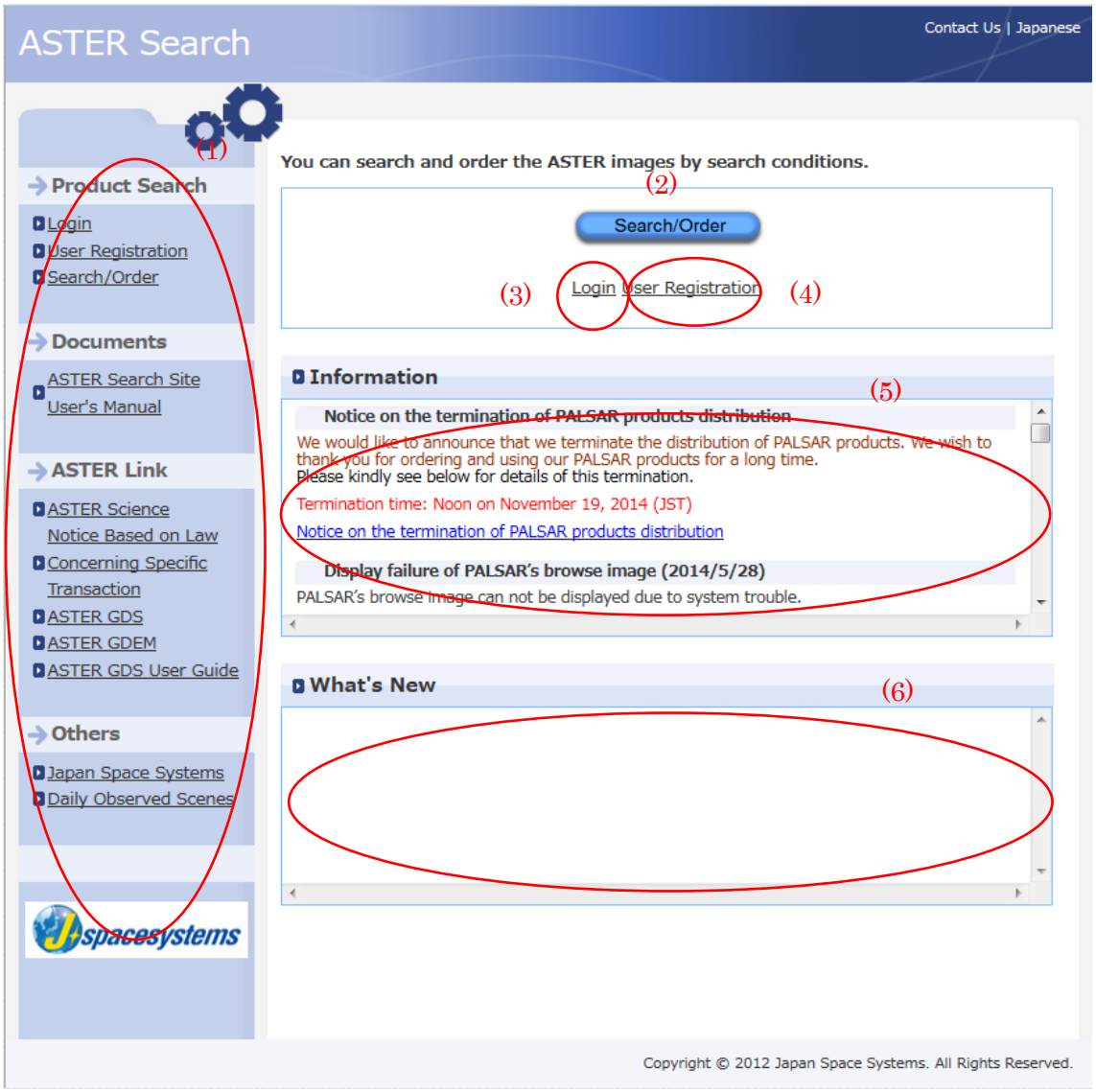


Fig. 2.1-1 [Top] Screen of ASTER Search

Table 2.1-1 [Top] Screen of ASTER Search

No.	Content	Description
(1)	Links on side menu	Links to each page of ASTER Search, related sites of ASTER, User's Manual, and others are displayed.
(2)	[Search/Order] button	ASTER Search opens on a new tab by clicking this button.
(3)	[Login] link	Login screen for ASTER Search opens on a new tab by clicking
(4)	[User Registration] link	User Registration for ASTER Search opens on a new tab by clicking
(5)	Information	Information about ASTER Search
(6)	What's New	Latest revisions about ASTER Search

2.2. User Registration

Click [User Registration] on the top screen of ASTER Search.

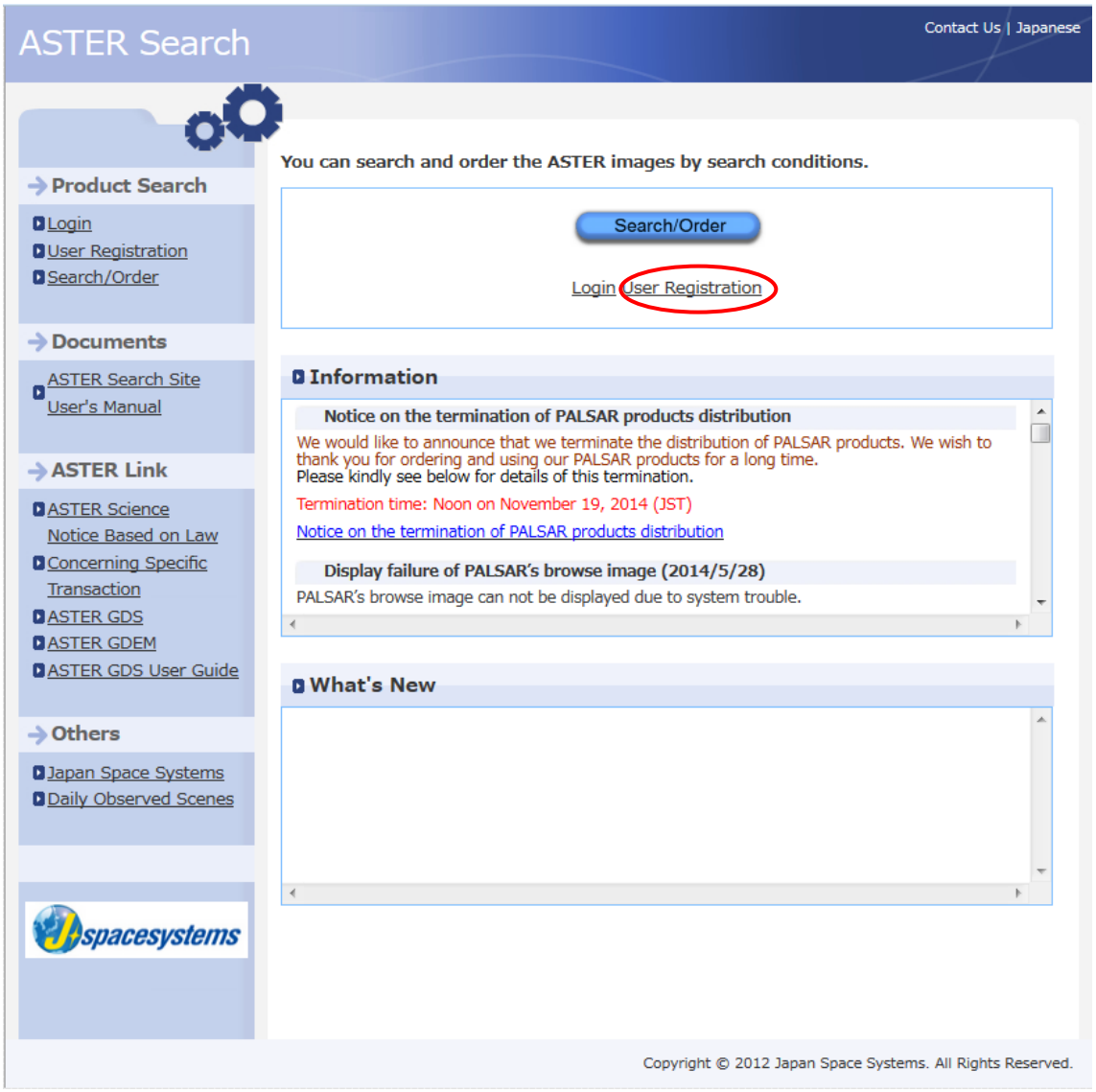


Fig. 2.2-1 Click [User Registration] of ASETR Search

[User Registration] is displayed on a new screen. Regarding user registration, it is necessary to comply with Agreements for Distribution and Use of ASTER data products. You cannot register without the agreements of distribution and use for ASTER data products.

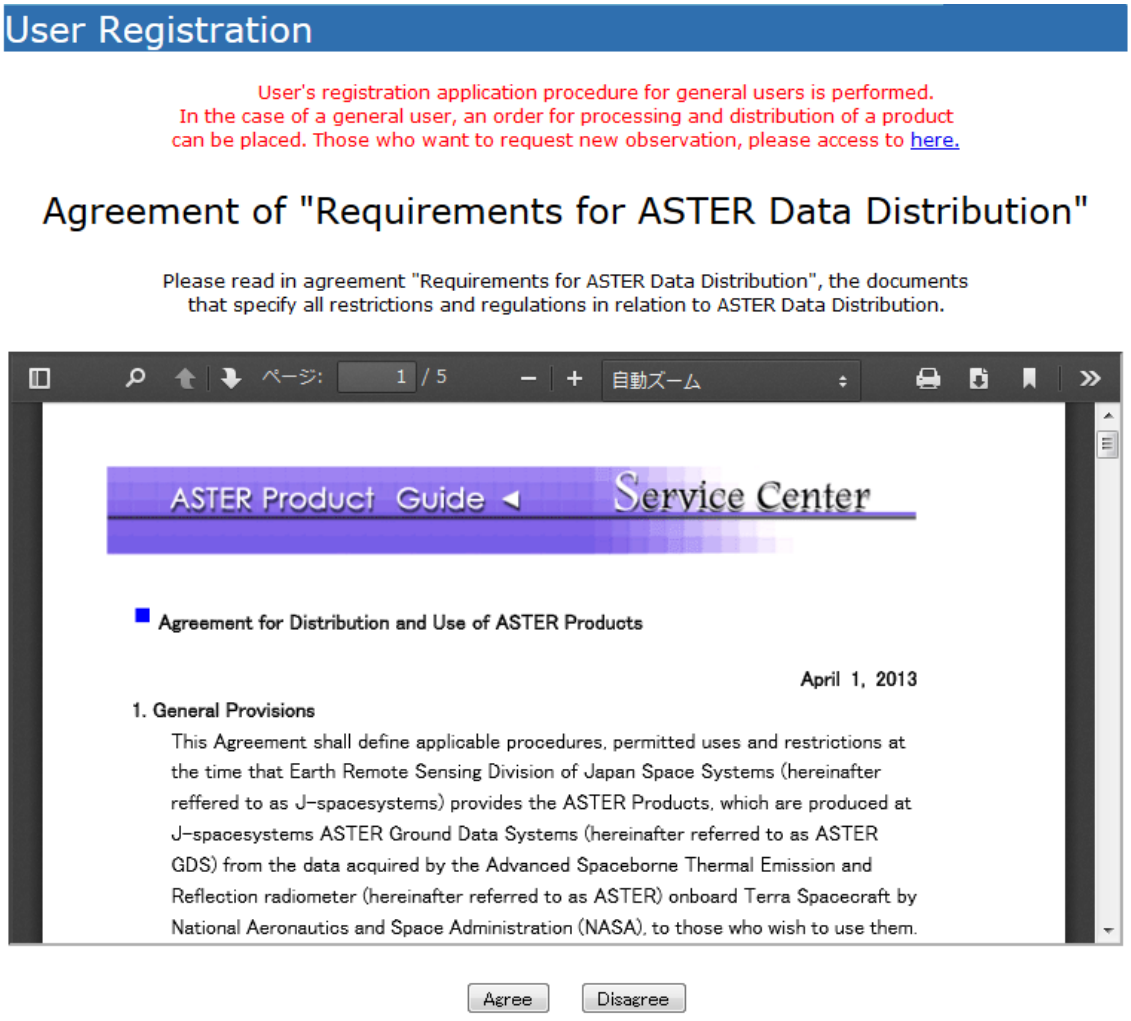


Fig. 2.2-2 Online User Registration Application・Agreement for Distribution and Use of ASTER Products

"Agreement for Distribution and Use ASTER Products" is displayed. If you read the requirements carefully and agree with them, click the [Agree] button. When the [Disagree] button was selected, the [Top] screen of ASTER Search appears again.

User Registration

Online User Registration

NOTICE

Fill up a form(User Address, Shipping Address and Billing Address) : Complete all information. Items with * are required.
Create your Login Name in 8 alphabets and/or digits.
Create your Password in more than 8 letters. Enter all types of letters(small alphabets, large alphabets, digits, and symbols) in your Password.

Privacy Policy

We will at all times assign responsibility for protection of personal information such as address, name and e-mail address from improper disclosure, and it should be used only for the notification from ASTER Search site and the delivery of products.
Details

Login Name*	(Taro1234)
Password*	
Password(Retype)*	

User Address	
Name*	. (Taro P. Yamada)
Organization Form*	------ Please Select ------
Organization*	(Japan Space Systems) Please write the official name in full, not abbreviation.
Department Name	(Earth Remote Sensing Division, Technical Department II)
Organization Category*	------ Please Select ------
Street Address*	(3-5-8 Shibakoen)
City*	(Minato-ku)
State*	(Tokyo)
Country*	------ Please Select ------ (Japan)
Zip Code*	(105-0011)
Phone*	(03-6435-6973)
FAX	(03-3432-3768)
E-mail*	(Aster-alos@jspacesystems.or.jp)
E-mail(Retype)*	
Copy from Shipping Address / Copy from Billing Address	

Fig. 2.2-3 [Online User Registration] Screen・User Profile Confirmation ①

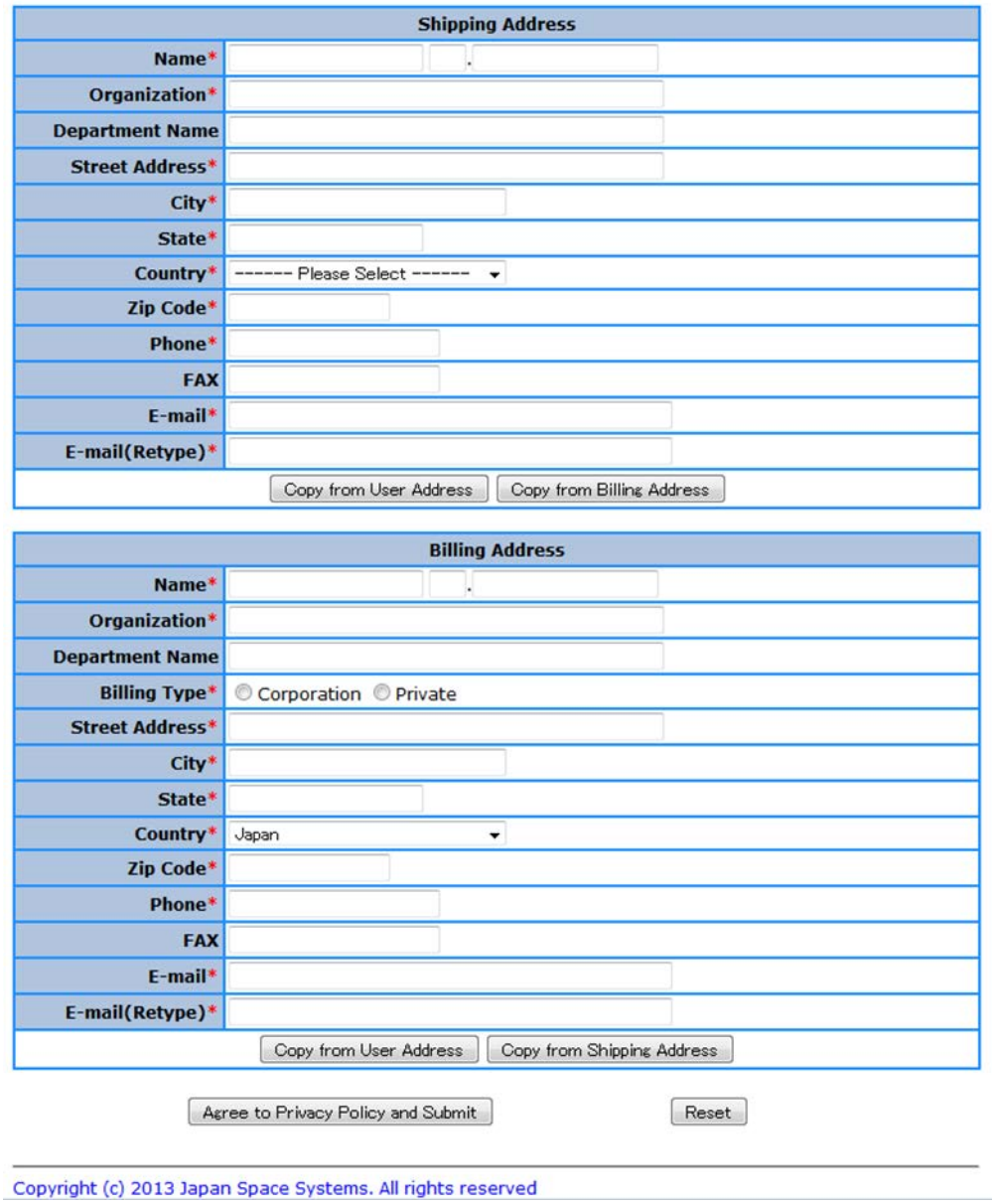


Fig. 2.2-4 [Online User Registration] Screen・User Profile Confirmation ②

The online user registration is classified by four items: [User Account], [User Address], [Shipping Address], and [Billing Address].

In each field, input alphanumeric characters in single-byte character as examples in brackets: (). In addition, inputting the items of * mark is required.

Each input item of the [Online User Registration] screen is explained below.

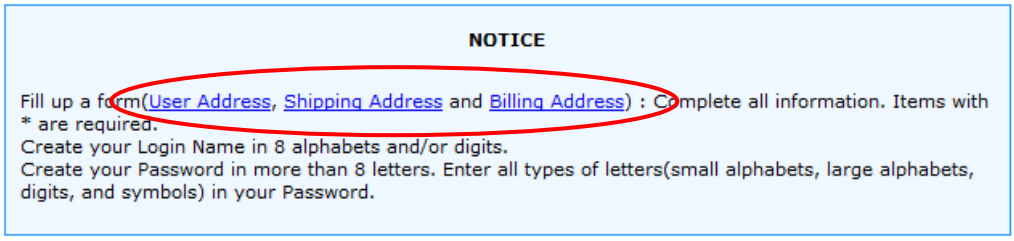


Fig. 2.2-5 [Online User Registration] Screen・[NOTICE]

<User Account>

Input login name and password. All the items are required. Create [Login Name] in eight alphabets and/or digits. Also, create [Password] in 8 and more alphabets and /or digits. It has to be composed of each one from the following characters: (1) small letters, (2) capital letters, (3) numbers, and (4) symbols.

A warning message is displayed and the registration fails in some cases; [Login Name] and/or [Password] do not follow the above-mentioned input rules; or, the input login name is already used by other users. In that case, check the input characters and then register again according to the message.

The items and details are show below.

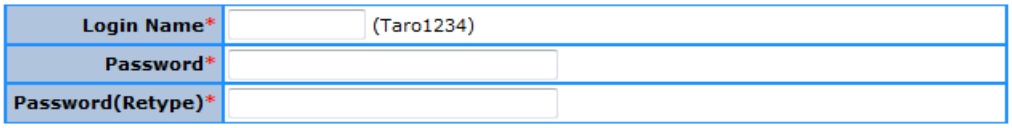


Fig. 2.2-6 Input Field of [User Account]

Table 2.2-1 Contents of [User Account]

No.	Content	Description	Condition
1	Login name	Create a login name for login	Required 8 single-byte alphanumeric characters
2	Password	Create a password for login	Required 8 and more single-byte alphanumeric characters composed of the following characters: (1) alphabets (small), (2) alphabets (capital), (3) numbers and (4) symbols.
3	Password (Retype)	Re-enter same as No.2	Same as No.2

<User Address>

Enter [User Address]. Input alphanumeric characters in single-byte character as examples in brackets: (). The items of * mark are required to be input except middle name of [Name].

Click either [Copy from Shipping Address] or [Copy from Billing Address] to copy each input information of the same content from each input field.

The items and details of [User Address] are shown below.

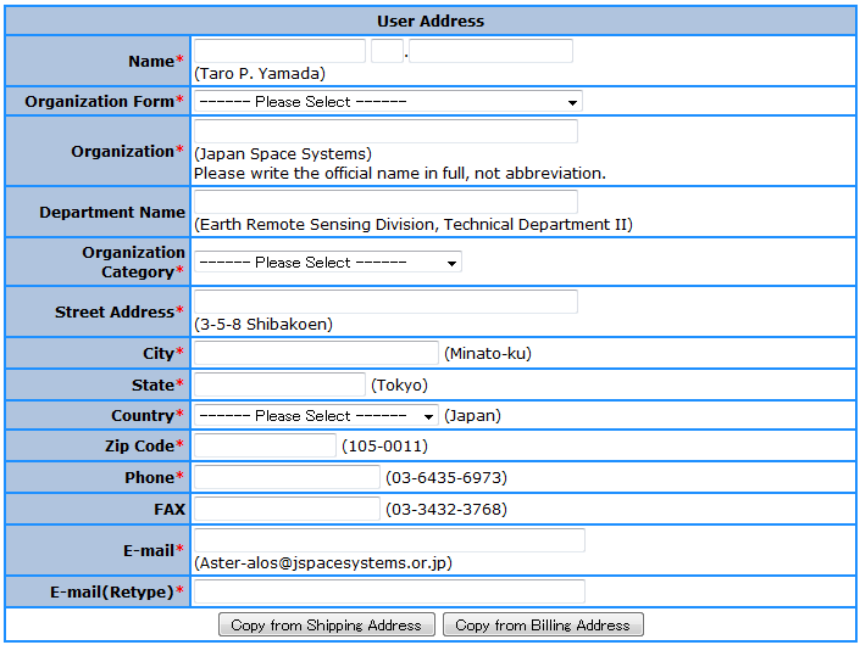


Fig. 2.2-7 Input Field of [User Address]

Table. 2.2-2 Contents of [User Address]

No.	Content	Description	Condition
1	Name (Alphabet)	First name, initial of middle name and family name by text input	Required of first name and family name input. Optional about middle name input. First name and family name of 18 or less characters in single-byte character. One charecter for middle name.
2	Organization Form	Select from a pull-down menu of [Organization Form] list	Required

No.	Content	Description	Condition
3	Organization	Text input	Required 200 or less characters
4	Department	Text input	Optional 200 or less characters
5	Organization Category	Select from a pull-down menu of [Organization Category] list	Required
6	Country	Select from a pull-down menu of [Country] list	Required
7	State	Text input	Required 19 or less characters
8	City	Text input	Required 29 or less characters
9	Street Address	Text input	Required 95 or less characters
10	Zip code	Text input	Required 15 or less characters
11	Phone	Text input	Required 21 or less characters
12	FAX	Text input	Optional 21 or less characters
13	E-mail	Text input	Required 49 or less characters
14	E-mail (Retype)	Text input Same contents as No.14	Required 49 or less characters

<Shipping Address>

Enter [Shipping Address]. Input alphanumeric characters in single-byte character as examples in brackets: (). The items of * mark are required to be input except middle name of [Name].

Click either [Copy from User Address] or [Copy from Billing Address] to copy each input value of the same content from each input field.

The item and details of [Shipping Address] are shown below.

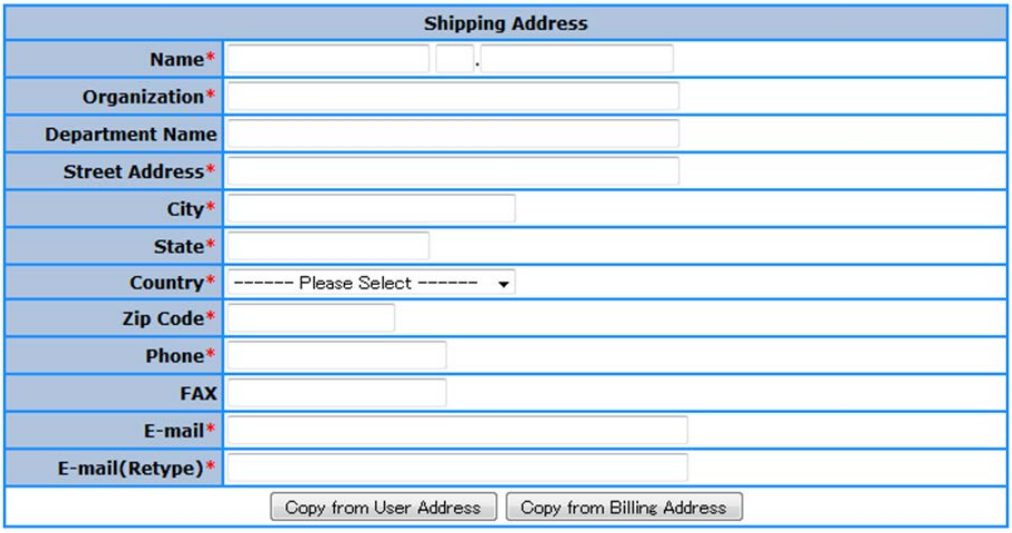


Fig. 2.2-8 Input Field of [Shipping Address]

Table 2.2-3 Contents of [Shipping Address]

No.	Content	Description	Condition
1	Name (alphabet)	First name, initial of middle name and family name by text input	Required of first name and family name input. Optional about middle name input. First name and family name of 18 or less characters in single-byte character. One character for middle name.
2	Organization	Text input	Required 200 or less characters
3	Department Name	Text input	Optional 200 or less characters
4	Country	Select from a pull-down menu of [Country] list	Select at least one
5	State	Text input	Required 19 or less characters
6	City	Text input	Required 29 or less characters
7	Street Address	Text input	Required 95 or less characters

No.	Content	Description	Condition
8	Zip code	Text input	Required 15 or less characters
9	Phone.	Text input	Required 21 or less characters
10	FAX	Text input	Optional 21 or less characters
11	E-mail	Text input	Required 49 or less characters
12	E-mail (Retype)	Text input Same contents as No.12	Required 49 or less characters

<Billing Address>

Enter [Billing Address]. Input alphanumeric character in single-byte character as example in brackets: (). The items of * mark are required to be input except middle name of [Name].

Click either [Copy from User Address] or [Copy from Shipping Address] to copy each input value of the same content from each input field.

The items and details of [Billing Address] are shown below.

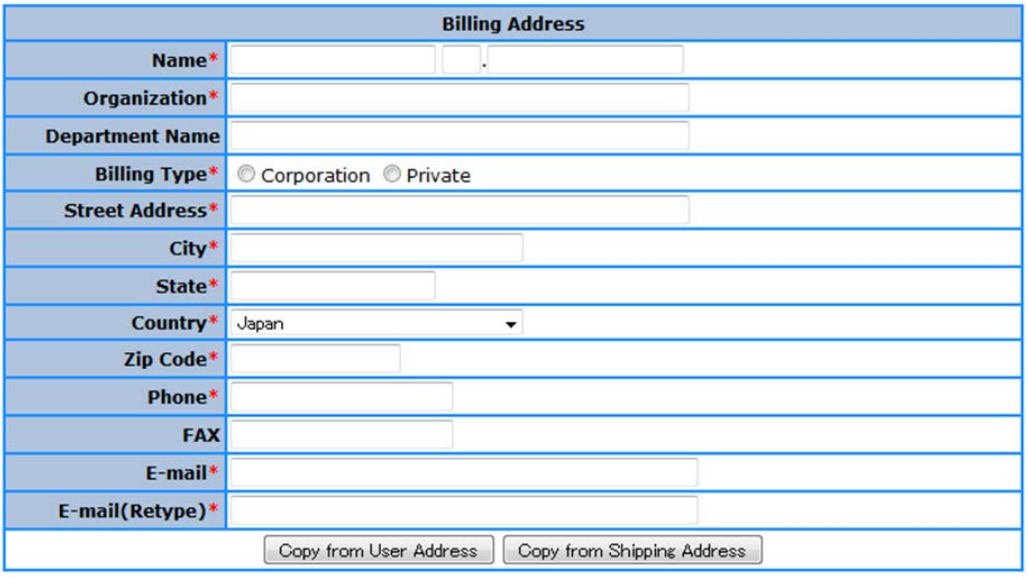


Fig. 2.2-9 Input Field of [Billing Address]

Table 2.2-4 Contents of [Billing Address]

No..	Content	Description	Condition
1	Name (alphabet)	First name, initial of middle name and family name by text input	Required of first name and family name input. Optional about middle name input. First name and family name of 18 or less characters in single-byte character One character for middle name
2	Organization	Text input	Required 200 or less characters
3	Department Name	Text input	Optional 200 or less characters
4	Billing Type	Choose [Corporation or Private] with radio button	Required
5	Country	Select from a pull-down menu of [Country] list	Select at least one
6	State	Text input	Required 19 or less characters
7	City	Text input	Required 29 or less characters
8	Street Address	Text input	Required 95 or less character
9	Zip Code	Text input	Required 15 or less characters
10	Phone	Text input	Required 21 or less characters
11	FAX	Text input	Optional 21 or less characters
12	E-mail	Text input	Required 49 or less characters
13	E-mail (Retype)	Text input Same contents as No.13	Required 49 or less characters

<Confirm Input Items of User Registration>

To confirm input items of [User Registration], click the [Agree to Privacy Policy and Submit] button at the bottom of the screen after confirming the input items. In case there is

no problem in the input items, the user account is registered and [User Profile Confirmation] is displayed.

If there are errors in the input items, warning messages appear in red on input fields. Check the input items in accordance with the messages, retype items and click the [Agree to Privacy Policy and Submit] button again.

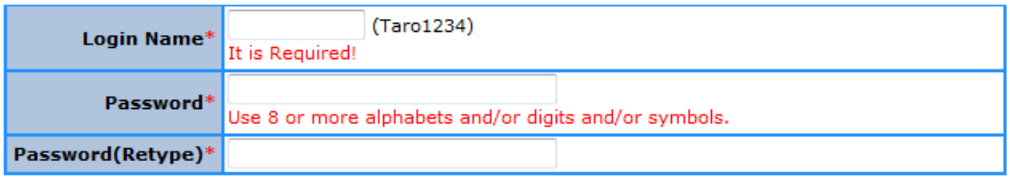


Fig. 2.2-10 Example of Errors in Input Items

<Reset User Information>

Click the [Reset] button at the bottom of the screen to clear all user registration information. All the registered contents are deleted.

<Confirm Online User Registration Complete>

If user registration has been performed properly, the [Online User Registration Result] screen is displayed. On the [Online User Registration Result] screen, you can check your user information registered by users yourself.

User Registration

Online User Registration Result

NOTICE

Your "Login Name", "User Address", "Shipping Address" and "Billing Address" are registered as follows.
Thank you for registering with PALSAR-GDS IMS.
Save or write down your registration below.

Login Name	Taro2223
User ID	G1301017

User Address	
Name	Taro P. Yamada
Organization Form	Other Organization
Organization	Japan Space Systems
Department Name	Earth Remote Sensing Division, Technical Department II
Organization Category	Remote Sensing/GIS/Applications
Street Address	3-5-8 Shibakoen
City	Minato-ku
State	Tokyo
Country	Japan
Zip Code	103-0015
Phone	03-6435-6973
FAX	03-3432-3768
E-mail	[redacted]

Shipping Address	
Name	Taro P. Yamada
Organization	Japan Space Systems
Department Name	Earth Remote Sensing Division, Technical Department II
Street Address	3-5-8 Shibakoen
City	Minato-ku
State	Tokyo
Country	Japan
Zip Code	103-0015
Phone	03-6435-6973
FAX	03-3432-3768
E-mail	[redacted]

Billing Address	
Name	Taro P. Yamada
Organization	Japan Space Systems
Department Name	Earth Remote Sensing Division, Technical Department II
Billing Type	Corporation
Street Address	3-5-8 Shibakoen
City	Minato-ku
State	Tokyo
Country	Japan
Zip Code	103-0015
Phone	03-6435-6973
FAX	03-3432-3768
E-mail	[redacted]

OK

Fig. 2.2-11 [Online User Registration Result] Screen

After the [Online User Registration Result] screen is displayed, the user account is available on ASTER/PALSAR Unified Search.

By clicking a link to each item listed at the [NOTICE] window on the top of the [Online user Registration Result] screen, the link goes to the each item field.

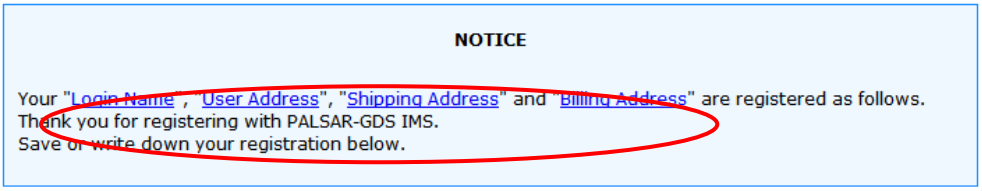


Fig. 2.2-12 [Online User Registration Result] Screen・[NOTICE]

By clicking the [OK] button, the display returns to the top screen of ASTER Search.

2.3. Login

2.3.1. Login (User Certification)

Select the [Login] link on the [Top] screen of ASTER Search.

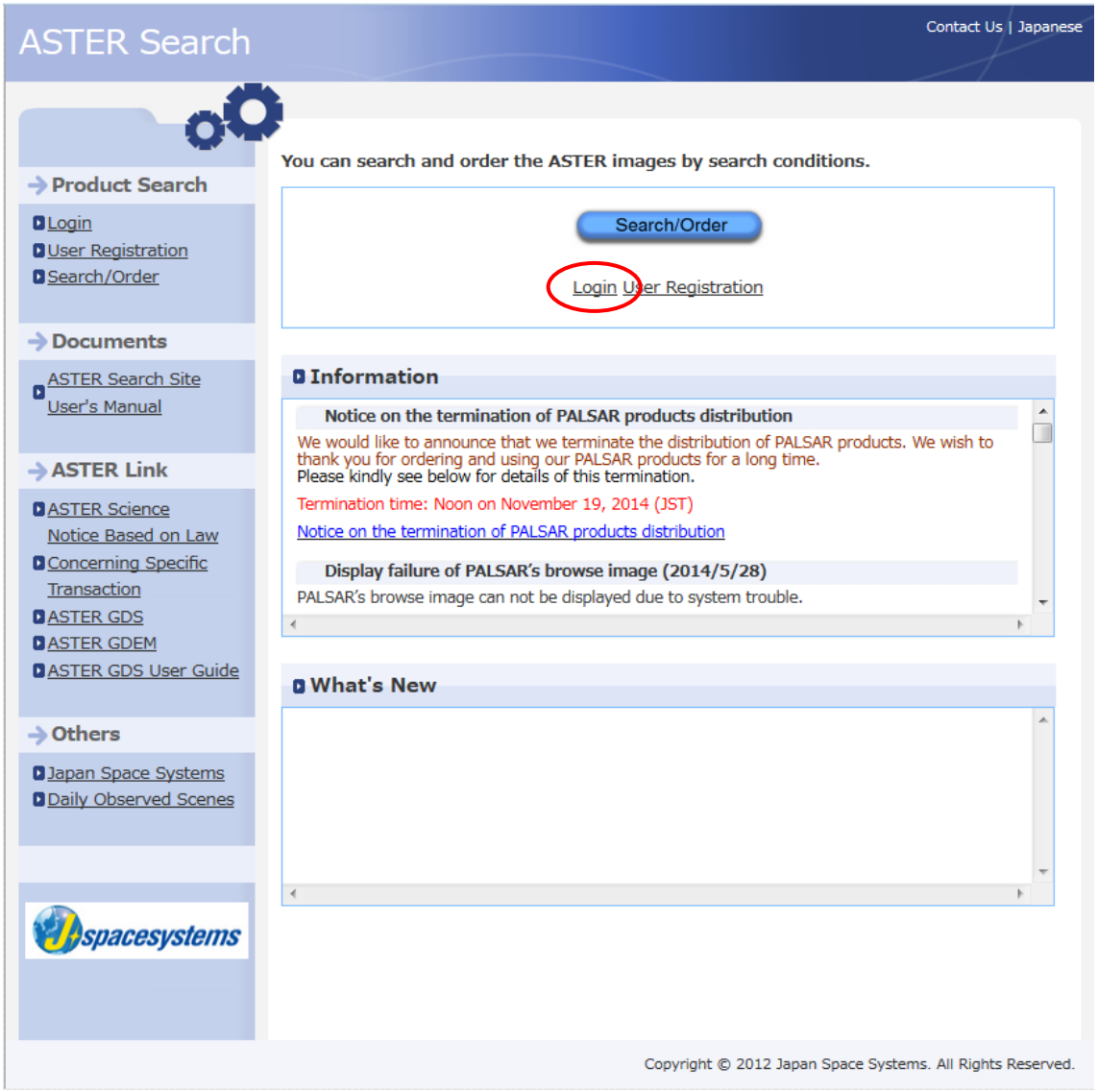


Fig. 2.3.1-1 Select [Login] Link on [Top] of ASTE Search

Login with the user account of ASTER Search is required to order ASTER data products, display mosaic images to the background of the map for search/order screen, and download data products online.

The [Login] screen and its details are shown below.

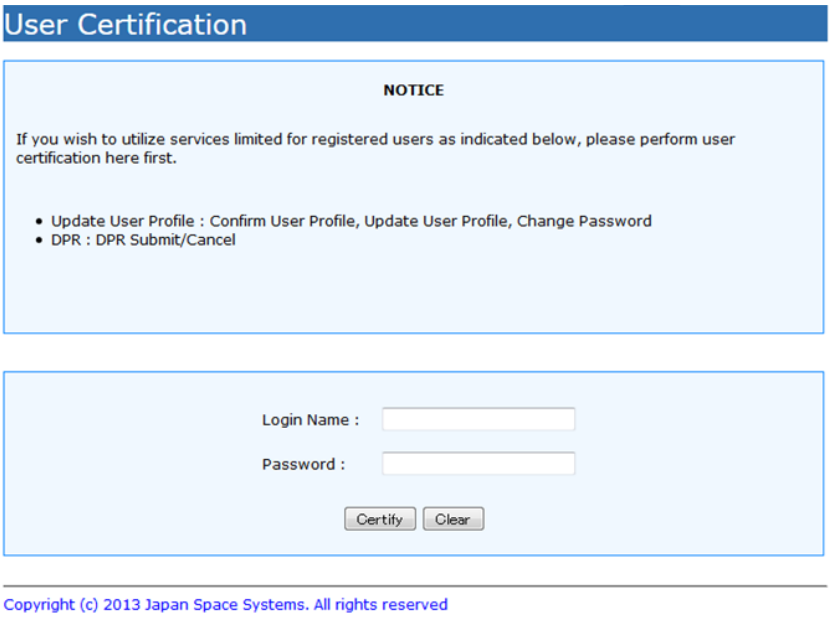


Fig. 2.3.1-2 [Login] Screen of [ASTER Search]

Table 2.3.1-1 Contents of [Login] Sceen

No.	Content	Description	Input Value
1	Login Name	Login Name set at user registration application is input.	Required
2	Password	Input the password set for user registration application or the password modified after user registration.	Required

For user certification, input [Login Name] and [Password], and click the [Certify] button. Make sure that they are typed correctly. In addition, all the input items are cleared by clicking the [Clear] button.

When Login has succeeded, the [Top] screen of ASTER Search is displayed. On the other hand, when login has failed, the error message of "Invalid Login Name or Password" appears as shown below. In this case, retype correct Login Name and Password.

Fig. 2.3.1-3 [Login] Window (Case of User Certification Failure)

2.3.2. Available Services after User Certification

Some services are newly added on the side menu of the [Top] screen of ASTER Search after login. In addition, when there is the data of user's order of which download preparation has been completed, a message is displayed so in the [Search/Order] window.

Fig. 2.3.2-1 [Top] Screen of ASTER Search
Before and After Login

The contents of the top screens before and after Login are shown below.

Table 2.3.2-1 Contents on [Top] Screen of ASTER Search
Before or After Login

Content	Description before Login	Description after Login
Side Menu Link (Search/Order)	Login User Registration	User Profile Product search / Order

	Product search / Order	Cart DPR Status Download Logout
Search/Order Button	Link to the [Login] and [User Registration] screens of each of ASTER Search	Number of orders after completing the preparations for download (Case of 1 or more orders) Link to ASTER Online distribution site..

Menu items displayed on the header of each screen before and after Login differ as well.

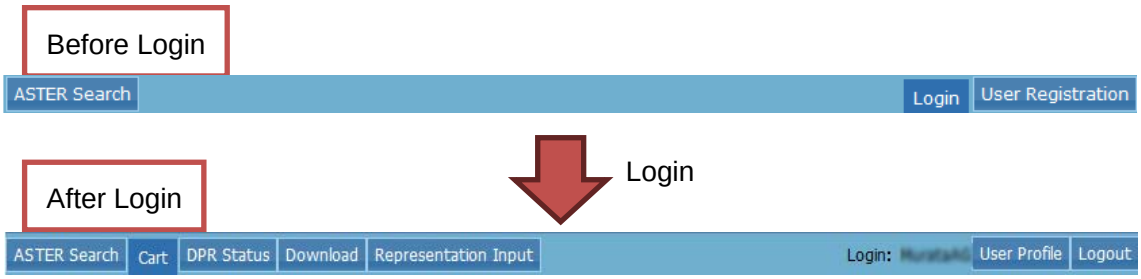


Fig. 2.3.2-2 Header of Each Screen Before and After Login

The contents at the header of each screen before and after Login are shown below.

Table 2.3.2-2 Contents on [Top] Screen of ASTER Search Site

Before or After Login

Content before Login	Content after Login

Content before Login	Content after Login
ASTER Search site (See 2.5) Login (See 2.3.1) User Registration (See to 2.2)	ASTER Search (See 2.5) Cart (See 2.8.1) DPR Status (See 2.9.1) Download Login Name under Login User Profile (See to 2.4) Logout (See 2.3.3)

2.3.3. Logout

Users can logout by clicking the [Logout] link on the side menu of the [Top] screen of ASTER Search or the header of each screen of ASTER Search. After logout, the ASTER Search top screen appears.

2.4. Confirm and Update User Registration Information

2.4.1. Confirm User Registration Information

Under login to ASTER Search, users can check their own user information at the [User Profile (User Profile Confirmation)] screen by clicking [User Profile] on the side menu of the [Top] screen or the header of each screen of this site.

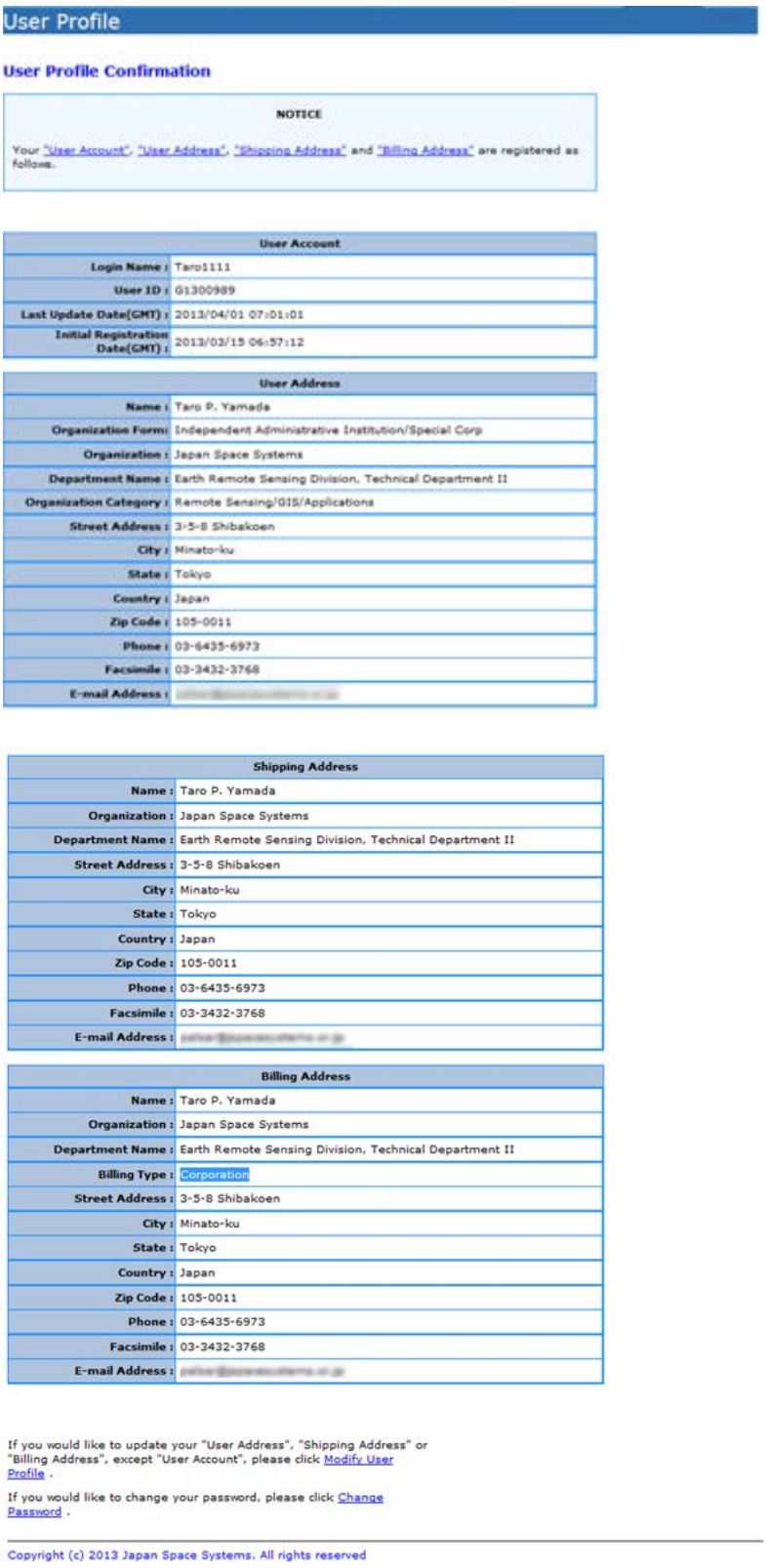


Fig. 2.4.1-1 [User Profile Confirmation] Screen

2.4.2. Modify User Profile

Click the [Modify User Profile] link at the bottom of the [User Profile Confirmation] screen to modify user Profile.

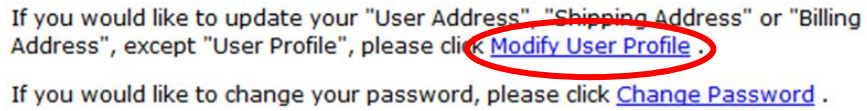


Fig. 2.4.2-1 Link to [Modify User Profile] Screen

Fig. 2.4.2-2 [Modify User Profile] Screen ①

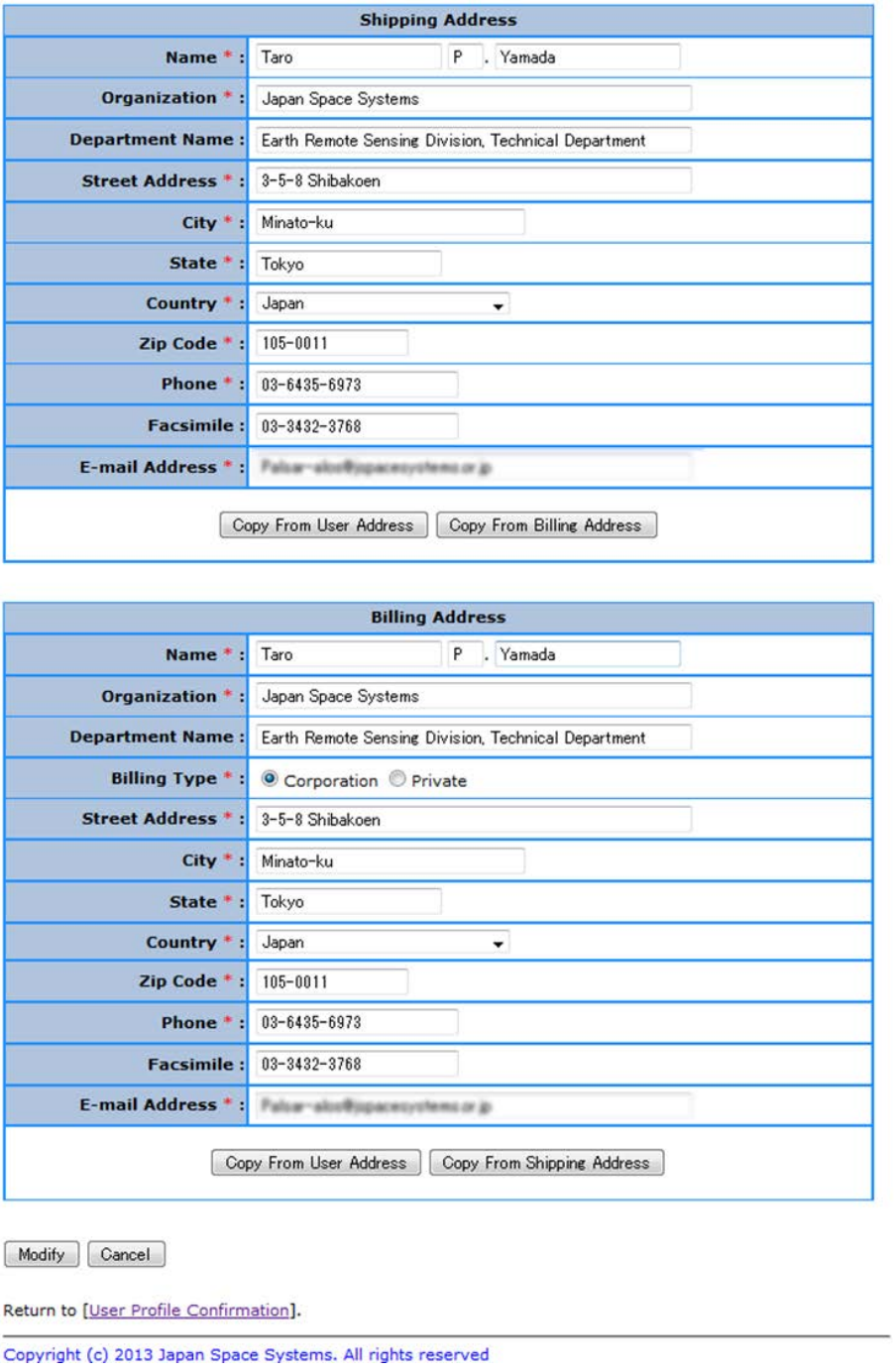


Fig. 2.4.2-3 [Modify User Profile] Screen ②

On the [Modify User Profile] screen, you can change your own all information except login names. For password, you can change your own password on the [Change Password] screen.

Input alphanumeric characters in single-byte character as examples in brackets: (). The items with * mark are required to be input.

By clicking a link to each item listed on the top of [NOTICE], the link jumps to the each item field.

Fig. 2.4.2-4 [Modify User Profile] Screen・[NOTICE]

The contents of the [Modify User Profile] screen are explained below.

<User Address>

You can change [User Address]. In a content which needs to modify, input alphanumeric character in single-byte character as examples in brackets: (). The items with * mark are required to be input except middle name of [Name].

Click either [Copy from Shipping Address] or [Copy from Billing Address] to copy each input value of the same content from each input field.

The contents of [User Address] and input field details are shown below.

Fig. 2.4.2-5 Input Field of [User Address]

Table 2.4.2-1 Contents of [User Address]

No.	Content	Description	Condition
1	Name (Alphabet)	First name, middle initial, and family name by text input	Required of first name and family name input. Optional about middle name input. First name and family name of 18 or less characters by single-byte character A letter for middle name
2	Organization Form	Select from a pull-down menu of [Organization Form] list	Required
3	Organization	Text input	Required 200 or less characters
4	Department	Text input	Optional 200 or less characters

No.	Content	Description	Condition
5	Organization Category	Select from a pull-down menu of [Organization Category] list	Required
6	Country	Select from a pull-down menu of [Country] list	Required
7	State	Text input	Required 19 or less characters
8	City	Text input	Required 29 or less characters
9	Street Address	Text input	Required 95 or less characters
10	Zip Code	Text input	Required 15 or less characters
11	Phone	Text input	Required 21 or less characters
12	FAX	Text input	Optional 21 or less characters
13	E-mail	Text input	Required 49 or less characters

<Shipping Address>

You can change [Shipping Address]. In a content which needs to modify, input alphanumeric character in single-byte character as examples in brackets: (). The items with * mark are required to be input except the middle name of [Name].

Click either [Copy from User Address] or [Copy from Billing Address] to copy each input value of the same content from each input field.

The contents of [Shipping Address] and input field details are shown below.

Fig. 2.4.2-6 Input field of [Shipping Address]

Table 2.4.2-2 Contents of [Shipping Address]

No.	Content	Description	Condition
1	Name (Alphabet)	First name, middle initial, and family name by text input	Required of first name and family name input. Optional about middle name input. First name and family name of 18 or less characters by single-byte character One letter for middle name
2	Organization	Text input	Required 200 or less characters
3	Department	Text input	Optional 200 or less characters
4	Country	Select from a pull-down menu of [Country] list	Required
5	State	Text input	Required 19 or less characters
6	City	Text input	Required 29 or less characters
7	Street Address	Text input	Required 95 or less characters

No.	Content	Description	Condition
8	Zip Code	Text input	Required 15 or less characters
9	Phone	Text input	Required 200 or less characters
10	FAX	Text input	Optional 21 or less characters
11	E-mail	Text input	Required 49 or less characters

<Billing Address>

You can change [Billing Address]. In a content which needs to modify, input alphanumeric characters in single-byte character as examples in brackets: (). The items with * mark are required to be input except the middle name of [Name].

Click either [Copy from User Address] or [Copy from Shipping Address] to copy each input value of the same content from each input field.

Contents of [Billing Address] and input field details are shown below.

Fig. 2.4.2-7 Input field of [Billing Address]

Table 2.4.2-3 Contents of [Billing Address]

No.	Content	Description	Condition
1	Name (Alphabet)	First name and middle initial name , and family name by text input	Required of first name and family name input. Optional about middle name input. First name and family name of 18 or less characters by single-byte character One letter for middle name
2	Organization	Text input	Required 200 or less characters
3	Department	Text input	Optional 200 or less characters
4	Billing Type	Choose [Corporation] or [Private] by radio button	Required
5	Country	Select from a pull-down menu of [Country] list	Required
6	State	Text input	Required 19 or less characters
7	City	Text input	Required 29 or less characters
8	Street Address	Text input	Required 95 or less characters
9	Zip Code	Text input	Required 15 or less characters
10	Phone	Text input	Required 21 or less characters
11	FAX	Text input	Optional 21 or less characters
12	E-mail	Text input	Required 49 or less characters

<Confirm Input Contents of Modify>

To confirm input items of User Registration, click [Modify] at the bottom of the screen after confirmation of the input items. In case there are no problems in the input items, the entered User Registration information is registered and the [Modify User Profile Result]

screen is displayed.

On the other hand, if there is an error in input item, message in apperes in red under input field. In that case, re-enter the input item in accordance with the message and click the [Modify] button again.

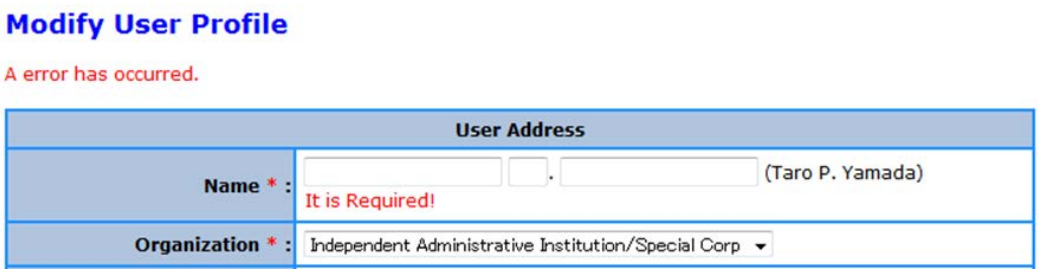


Fig. 2.4.2-8 Example of Errors of Input Items

<Cancel Modify User Profile>

When modification of user profile is canceled, click the [Cancel] button at the bottom of the [Modify User Profile] screen. After canceling it, the screen moves back to [User Profile Confirmation].

<Confirm Modify User Profile Confirmation>

In case performing user profile modification correctly, the [Modified User Profile Result] sceren appears. At the [Modified User Profile Result] screen, you can confirm the modified contents of user profile.

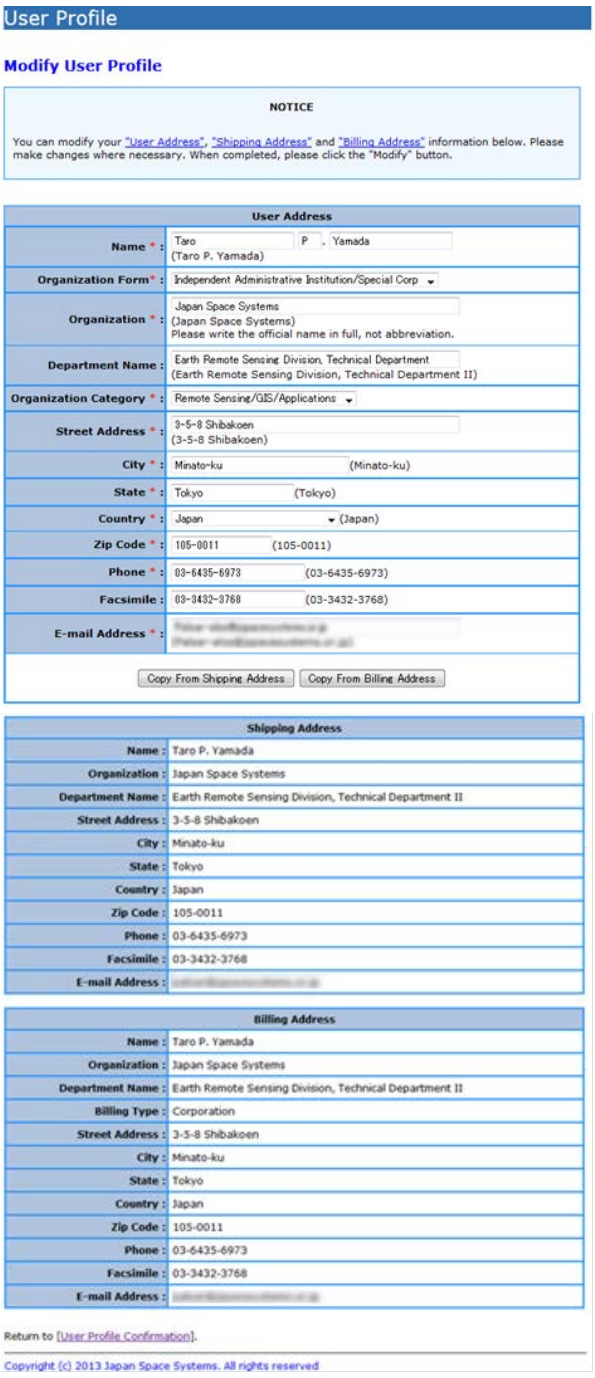


Fig. 2.4.2-9 [Modified User Profile Result]

After clicking a link to each item listed in [NOTICE] at the top of [Online User Registration], the link goes to the each item field and then displays it.

Fig. 2.4.2-10 [Modify User Profile Confirmation] Screen・[NOTICE]

Moreover, by clicking on [User Profile Confirmation] link, the [Modify User Profile Confirmation] screen is shown again.

2.4.3. Change Password

In order to change password for the account of [ASTER/PALSAR Unified Search], click [Change Password] link at the bottom of the [User Profile Confirmation] screen. The [Change Password] screen appears.

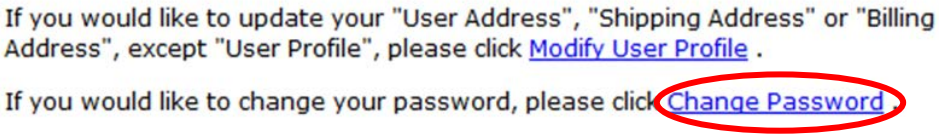


Fig. 2.4.3-1 [Change Password] Link

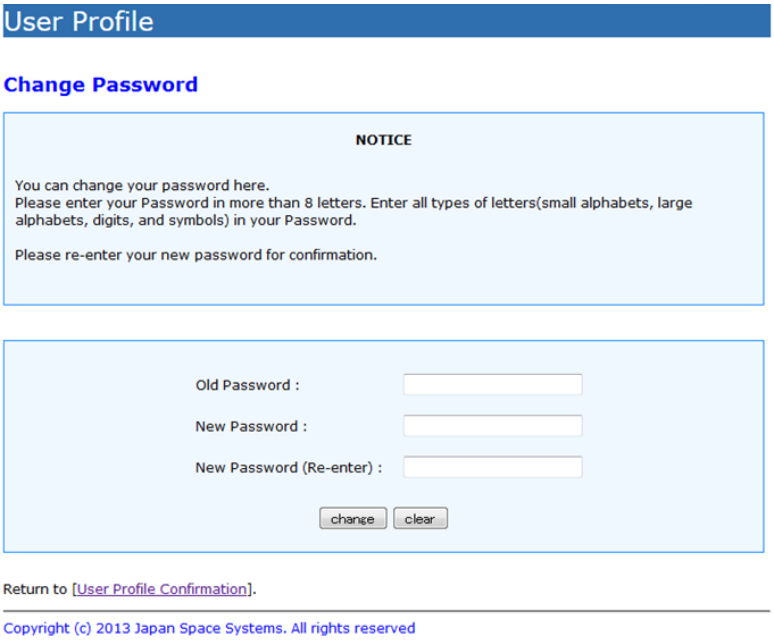


Fig. 2.4.3-2 [Change Password] Screen

Input the current password in [Old Password] and a new password in [New Password], respectively. After that, re-enter the new password in [New Password (Re-enter)].In order to change a password, the entry of all these itmes is necessary.

Create a new password with 8 or more alphabets and /or digits. The password must be composed of 1 or more characters of each from the following letter types: (1) small letter, (2) capital letter, (3) number, and (4) symbol.

Table 2.4.3-1 Contents of [Change Password]

No.	Content	Description	Condition
1	[Old Password]	Type the current Password	Required
2	[New Password]	Type a new Password	Required 8 or more alphabets and/or digits including 1 or more characters of each from the followings: (1) alphabet (small letter), (2) alphabet (capital letter), (3) number, and (4) symbol
3	[New Password (Re-enter)]	Same contents as No.2	Same contents as No.2

In order to set the entered password, click the [change] button at the bottom of screen after checking all the input items.

In case there is no problem with the input items, those contents are registered, and the [Change Password] screen is displayed. If the input passwords have problems, warning messages appear in red above input field. In that case, check the entered passwords, re-enter other passwords and then click the [change] button.

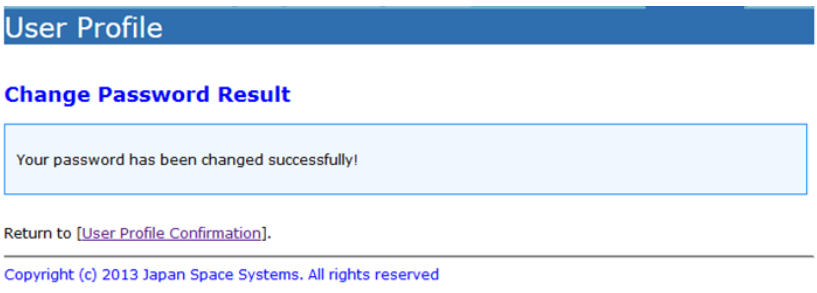


Fig. 2.4.3-3 [Change Password Result] (Succeeded) Screen

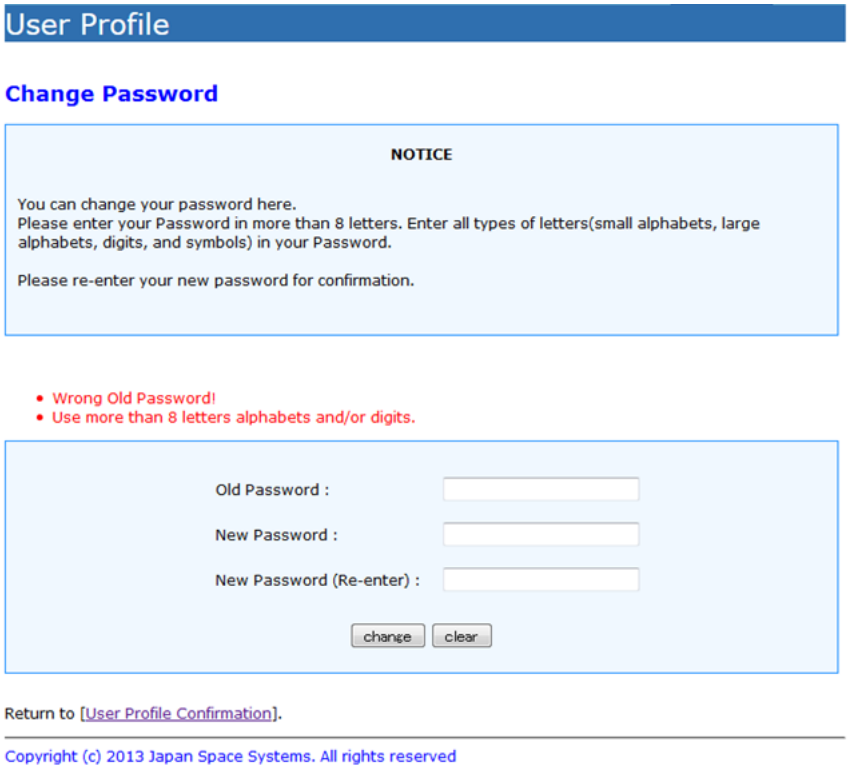


Fig. 2.4.3-4 [Change Password] (Failed) Screen

2.5. Display ASTER Search Screen

To search ASTER data products, confirm search result, and add the selected products to cart, click the [Search/Order] button on the top page of [ASTER Search] or the [Search/Order] link on the side menu.

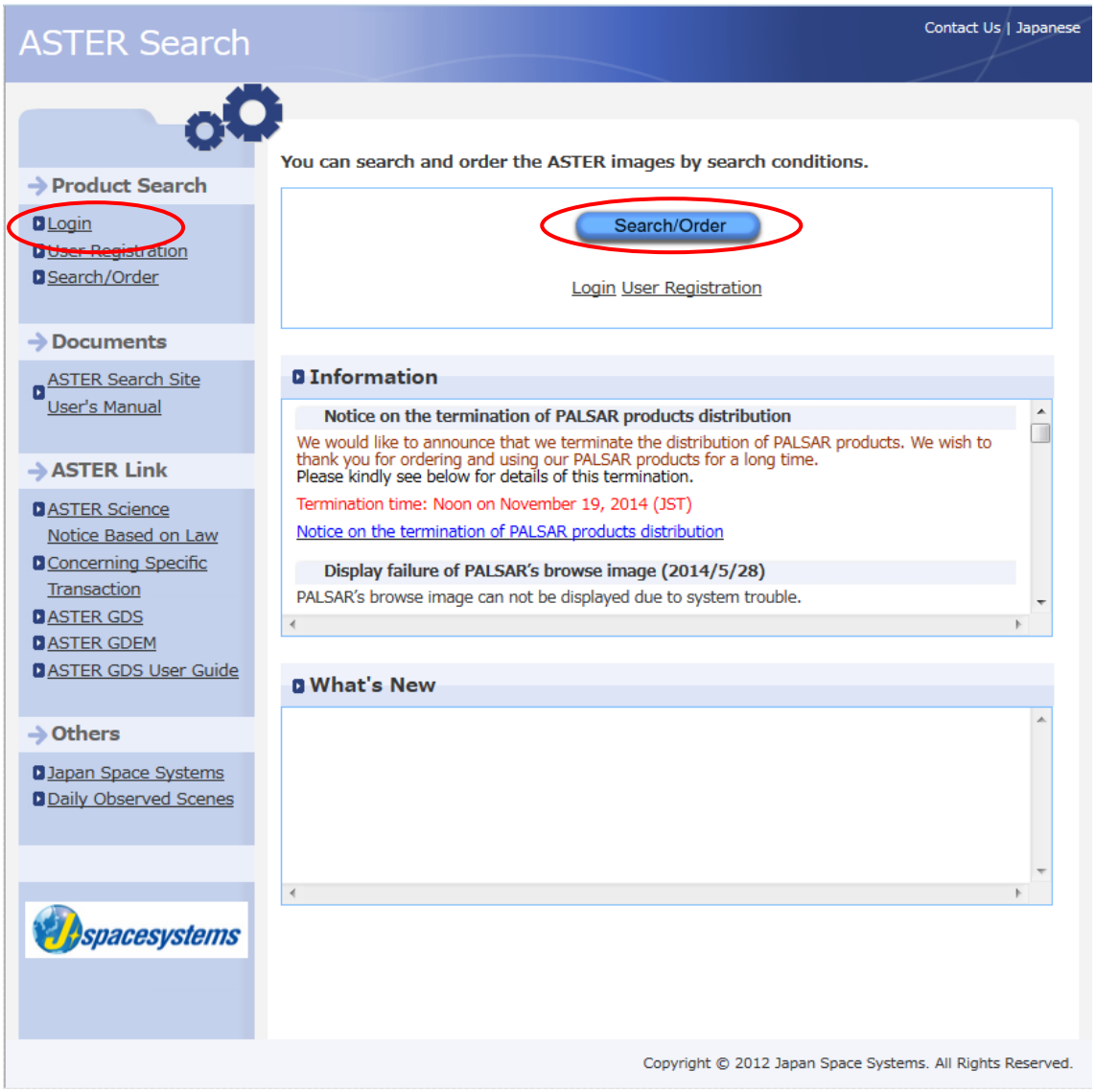


Fig. 2.5-1 Click [Search/Order]

The [ASTER Search] screen at which search and order products are performed appears. Its outline is described below.

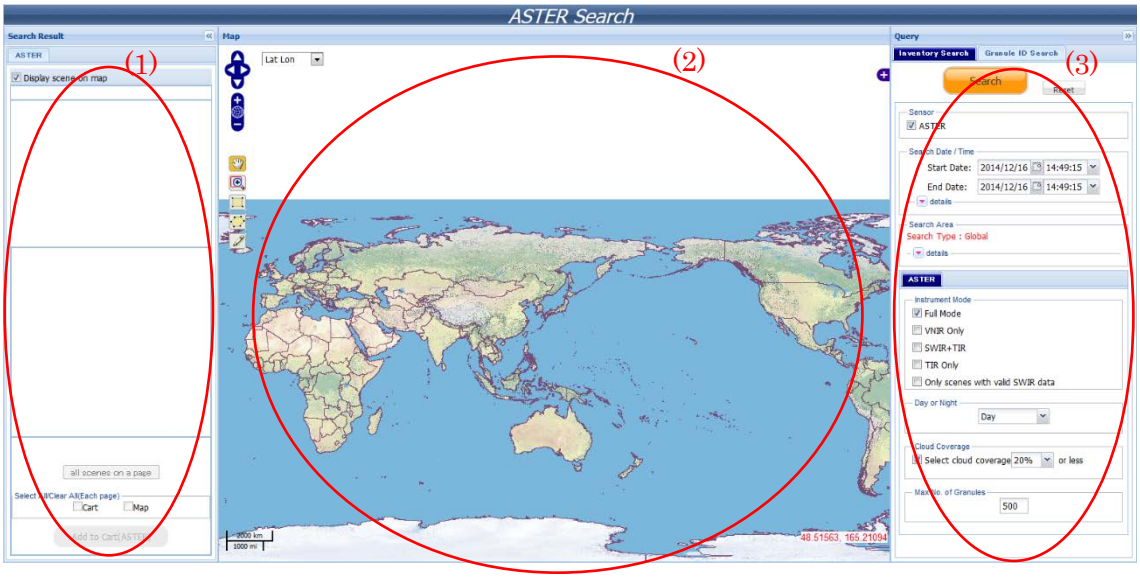


Fig. 2.5-2 [ASTER Search] Screen

Table 2.5-1 Contents of [ASTER Search] Screen

No.	Content	Description
(1)	Filed to show search result	Display Search result. [<<] button switches display or hide.
(2)	Map area	Display a map
(3)	Field to input search conditions	Display query [>>] button switches display or hide.

2.6. Search Data Products

For switching search methods, select a tab on the top of the input field to set each search condition.

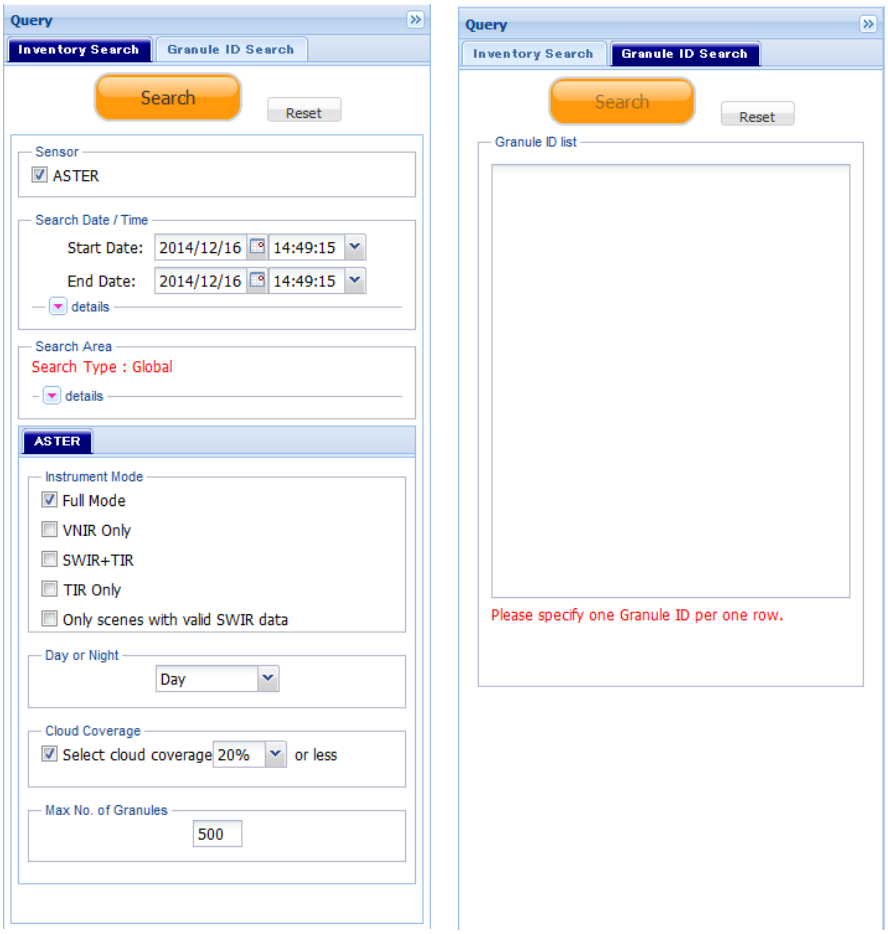


Fig. 2.6-1 Inventory Search Tab, Granule ID Search Tab from the Left

2.6.1. Perform Inventory Search

Select the [Inventory Search] tab on the input field to set search conditions.

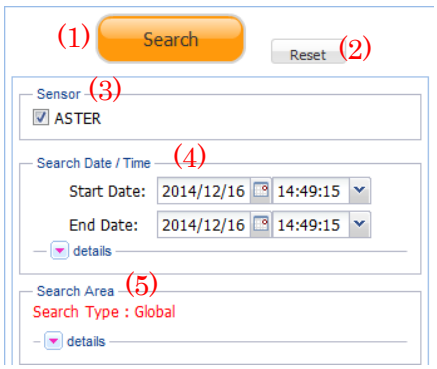


Fig. 2.6.1-1 Input Field of Search Conditions①

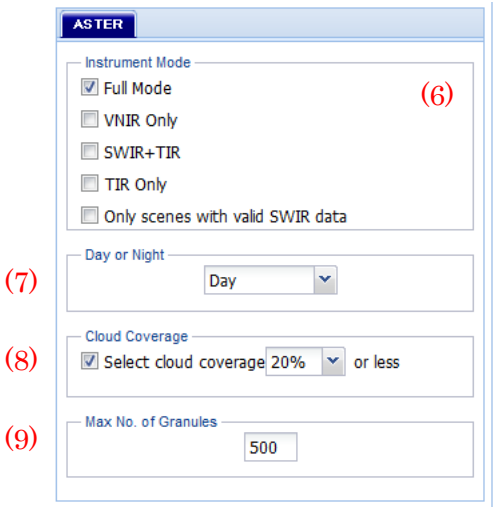


Fig. 2.6.1-2 Input Field of Search Conditions ②

Table 2.6.1-1 Contents of Inventory Search Tab

No.	Content	Description
(1)	[Search] button	Search is performed under the specified search conditions.
(2)	[Reset] button	Search conditions return to default.
(3)	Sensor	ASTER is specified.
(4)	Search Date/Time	Search period is set. button shows the field to set detailed conditions.
(5)	Search Area	button shows the field to specify area by coordinates.
(6)	ASTER: Instrument mode	ASTER observation mode is specified.
(7)	ASTER: Day or Night	Day-time or night-time observation for ASTER is specified
(8)	ASTER: Cloud Coverage	Cloud amount for ASTER is specified.
(9)	ASTER: Max No. of Granules	Maximum number of ASTER scenes search to be retrieved is specifiedset.

After setting each search condition and clicking the [Search] button, data search in the specified conditions is performed.

The way to specify each search condition is explained below.

2.6.1.1. Set ASTER Search Conditions

Set the search conditions.

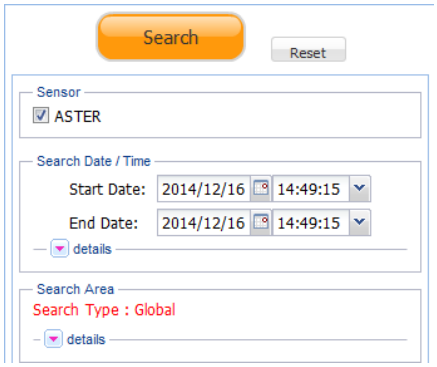


Fig. 2.6.1.1-1 Input Field of ASTER Search Conditions

<Sensor>

Specify ASTER as a target sensor.

<Search Date/Time>

Set the search period. Choose dates from calendar or directly enter the dates. By clicking [details], the field to set more details appears.

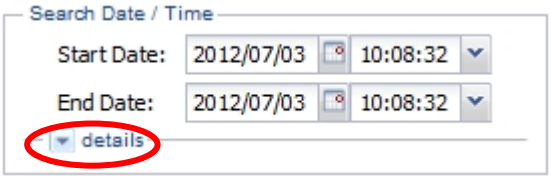


Fig. 2.6.1.1-2 Click [details]

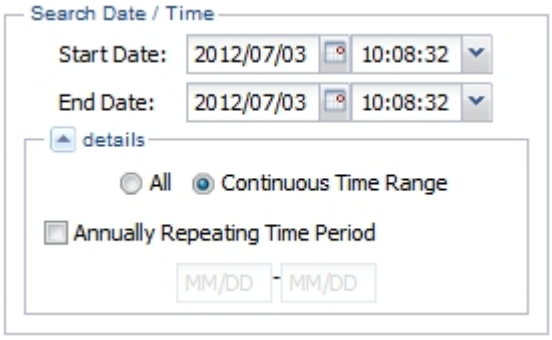


Fig. 2.6.1.1-3 Input Field of More Detailed Search Period

When [All] is selected, period is not reflected to search conditions.

When [Continuous Time Range] is selected, Start Date and End Date are required.

When [Annually Repeating Time Period] is checked, the specified interval of time (the same interval of time for each year during the specified period) is searched. Start and end dates for this interval of time period are required to input in the form of MM/DD. The relation between interval time's start/end date and search period's start/end date is described below.

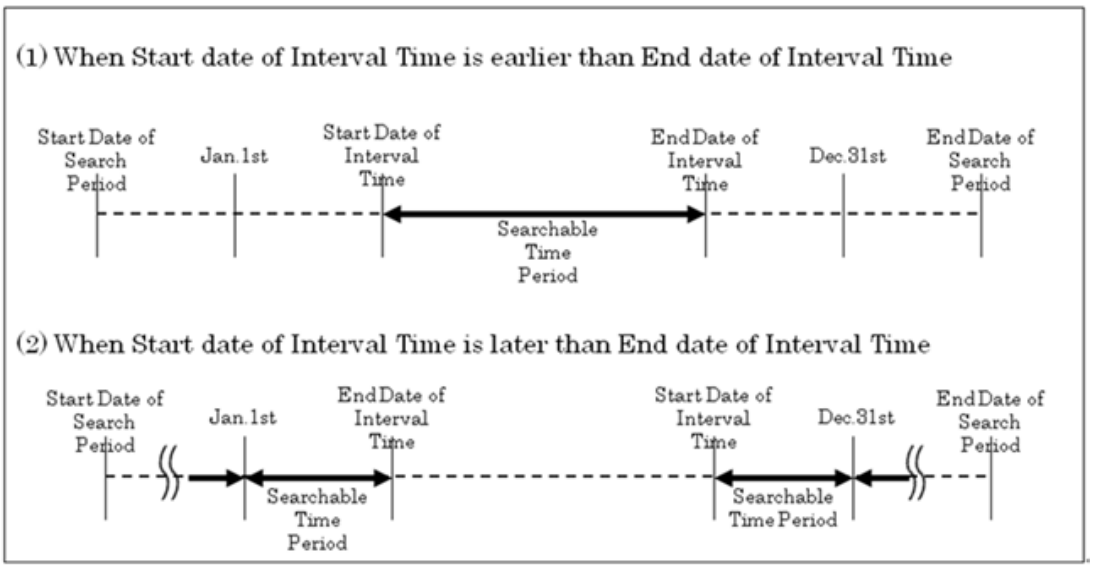


Fig 2.6.1.1-4 Relation between Interval of Time and Search Period

<AOI>

AOI can be specified in rectangle or polygon on the map by a mouse. For more information about AOI, see “3.5 Specify Search Area in Rectangle” and “3.6 Specify Search Area in Polygon”.

AOI also can be specified by coordinate values. Click [details] to display the field of specifying AOI, and select a Search Type from [Global], [Rectangle] and [Polygon].

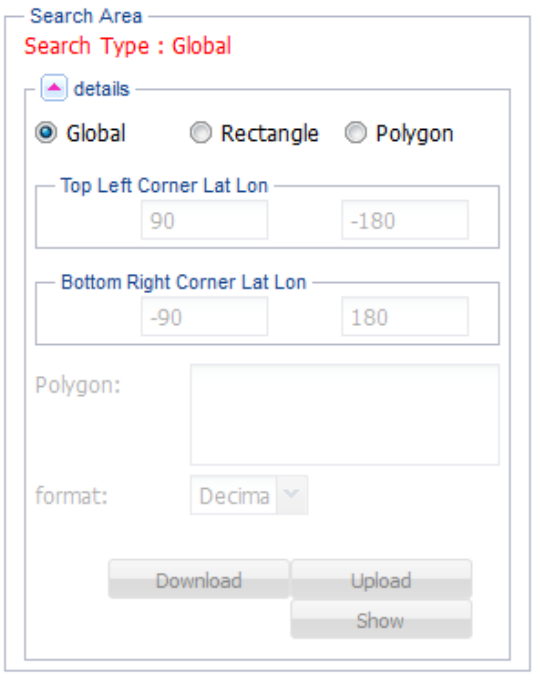


Fig. 2.6.1.1-5 Input Filed of Specifying AOI

（a）Global

Search is performed globally.

（b）Rectangle

Input latitudes and longitudes of the rectangular search area in [Top Left Corner Lat Lon] and [Bottom Right Corner Lat Lon]. An input format is selectable from [Decimal Degree] or [Degree Min Sec].

Click the [Show] button to display the AOI on the map.

（c）Polygon

Input latitude and longitude of each vertex of a polygon in the [Polygon] field. Input each vertex per line in the order of [latitude and longitude]. An input format is selectable from [Decimal Degree] or [Degree Min Sec].

Information of the specified polygon can be downloaded and uploaded in KML format by the [Download] and [Upload] buttons.

The specified polygon can be displayed on the map by the [Show] button.

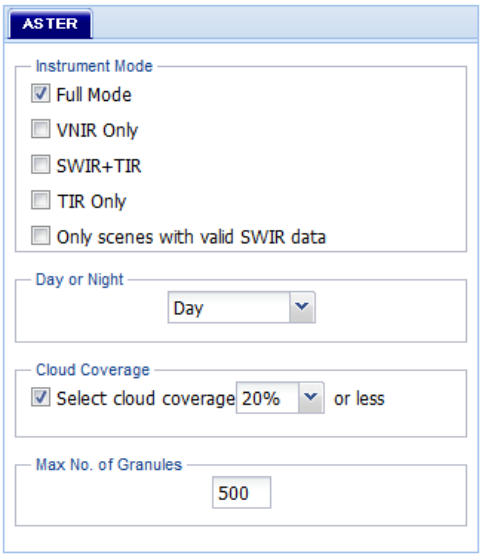


Fig. 2.6.1.1-6 Input Field of ASTER Search Conditions②

<Observation Mode>

Select observation mode(s) from [Full Mode], [VNIR Only], [SWIR+TIR], [TIR Only], and/or [Only scenes with valid SWIR data]. One or more observation modes must be selected.

ASTER SWIR sensor has not been acquiring valid data since April 2007. When [Only scenes with valid SWIR data] is checked, a search is performed in the condition of [Full Mode] and [SWIR+TIR], and only the scenes observed before April 1, 2007 are retrieved. For more information about ASTER observation modes, visit the URL shown below.
http://www.science.aster.ersdac.jspacesystems.or.jp/jp/documnts/users_guide/part1/07_01.html

<Day or Night>

Specify day-time and/or night-time observations. [Day], [Night] and [Both] are selectable.

<Cloud Coverage>

Set cloud amount. Check the [Select cloud coverage] box and then select cloud coverage in percentage from the pull-down menu. Percentage to be specified refers to the cloud amount covering the whole scene; the scenes of less than the specified cloud coverage are retrieved. If the [Select cloud coverage] box is not checked, it is not reflected to the search condition.

<Max. No. of Result>

Specify the maximum number of granules to be retrieved. This number can be specified up to 500 and is a mandatory search condition.

If the number of scenes shown in search result is over 500 scenes, narrow down the search conditions and search again. Meanwhile, by clicking the [Display search result] button on search result window, the search results of up to 500 scenes are listed in the order of the observational date.

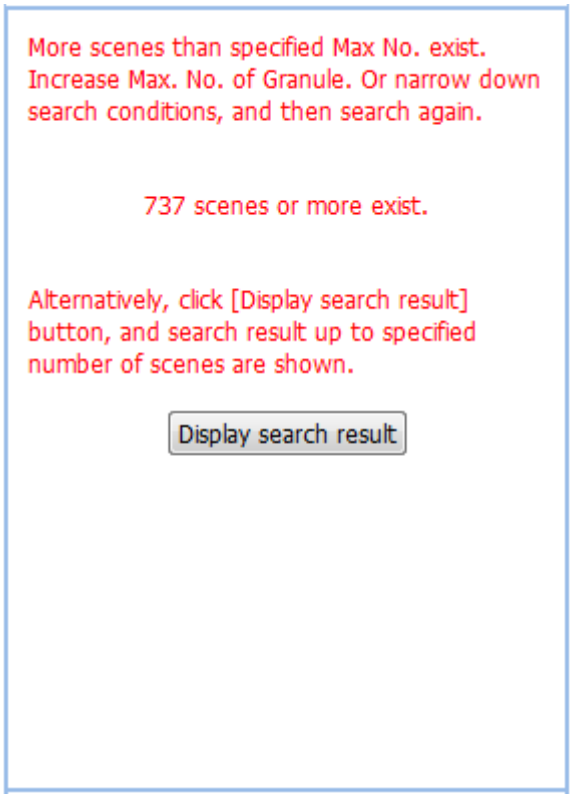


Fig. 2.6.1.1-7 Case of Search Result Has over 500 Scenes

2.6.1.2. Perform Search

Click the [Search] button to start a search under the specified conditions. Search results are shown on the [Search Result] window. For more information about Search Result, see 2.7 Confirm Data Product Search Result.

2.6.1.3. Reset Search Conditions

Click the [Reset] button to reset all the specified search conditions.

2.6.2. Search by Granule ID

Select the [Granule ID Search] tab on [ASTER Search]. The details of the [Granule ID Search] window are described below.

Fig. 2.6.2-1 [Granule ID Search] Tab

Table 2.6.2-1 Contents of [Granule ID Search] Tab

No.	Content	Description
(1)	[Search] button	Search with the specified granule ID.
(2)	[Reset] button	Delete all granule ID entered in the granule ID list field.
(3)	Granule ID list	Specify granule ID for search target.

2.6.2.1. Specify Granule ID

Input granule IDs to search in the [Granule ID list] field. In case of specifying more than

one ID, enter a granule ID per line.

2.6.2.2. Perform Search

Click the [Search] button to search scenes with the specified granule IDs. L1A scenes are retrieved even though the granule IDs of other level products are specified. Search results are shown on the [Search Result] window which orders can be placed. For more information about the [Search Result] window, see “2.7 Confirm Data Product Search Result”.

2.6.2.3. Reset Search Conditions

Click the [Reset] button to reset all the input granule IDs.

2.7. Confirm Data Product Search Result

Scenes are shown up as search results on the [Search Result] window of ASTER Search. The coverage of each scene is displayed on the map.

The structure of the [Search Result] field is described below.

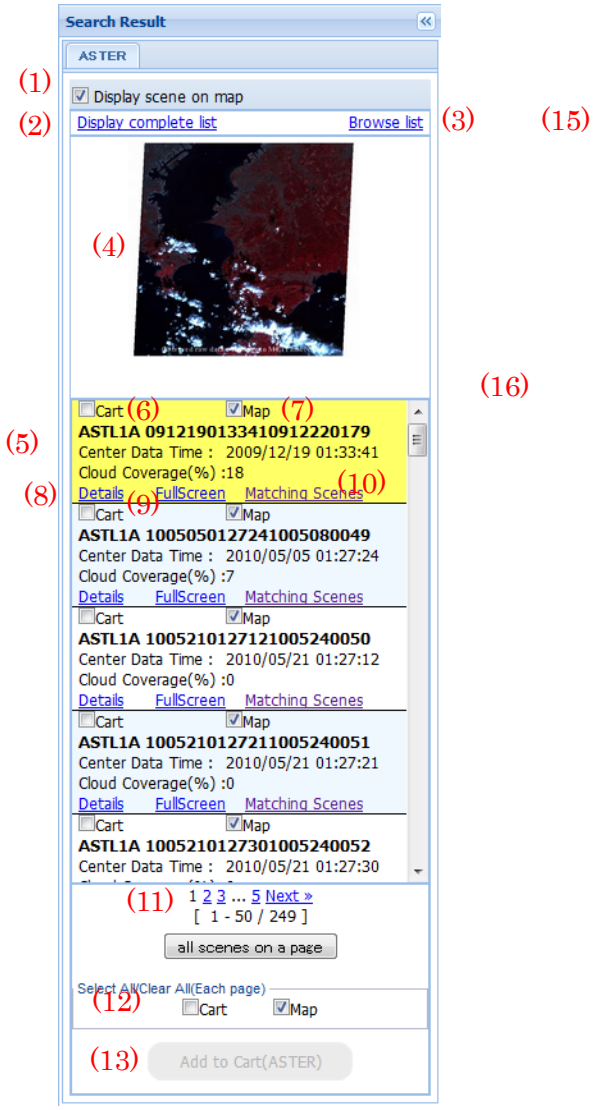


Fig. 2.7-1: [Search Result]

Table 2.7-1 Contents of [Search Result]

No.	Content	Description
(1)	Display scene on map	Check to display all coverage of ASTER scenes in search result on the map
(2)	Display complete list	Click to show the complete list of product search result on a new tab
(3)	Browse list	Click show browse list on a new tab

No.	Content	Description
(4)	Browse Image	Click to show a large browse image on a new window. While browse image doesn't exist, a message of [No Browse Image] appears.
(5)	Product Information	Product Information
(6)	Cart	Check to put into Cart
(7)	Map	Check to display a coverage of the scene
(8)	Details	Show more information about each scene
(9)	Full Screen	Show whole information about each scene
(10)	Matching Scenes	Search other scenes under the scene conditions
(11)	Paging	Displayed page of search result list is switched by clicking [<<Previous], [Next>>], or page number. 50 scenes are on one page If search result has more than 50 scenes, its list is divided and every 50 scenes are listed on a page. All scenes are displayed on a page when clicking [all scenes on a page].
(12)	Select All/Clear All (Each page)	[Cart] Check to select all scenes to Cart [Map] Check to show all scenes on the map
(13)	Add to Cart	Add selected scenes to Cart

2.7.1. Select Scenes on Search Result

Click the field of each scene in the [Search Result] list, and background color changes to yellow and its corresponding scene coverage on the map is highlighted in yellow. Click the coverage of a scene on the map, and field color of the corresponding scene in [Search Result] is highlighted in yellow.

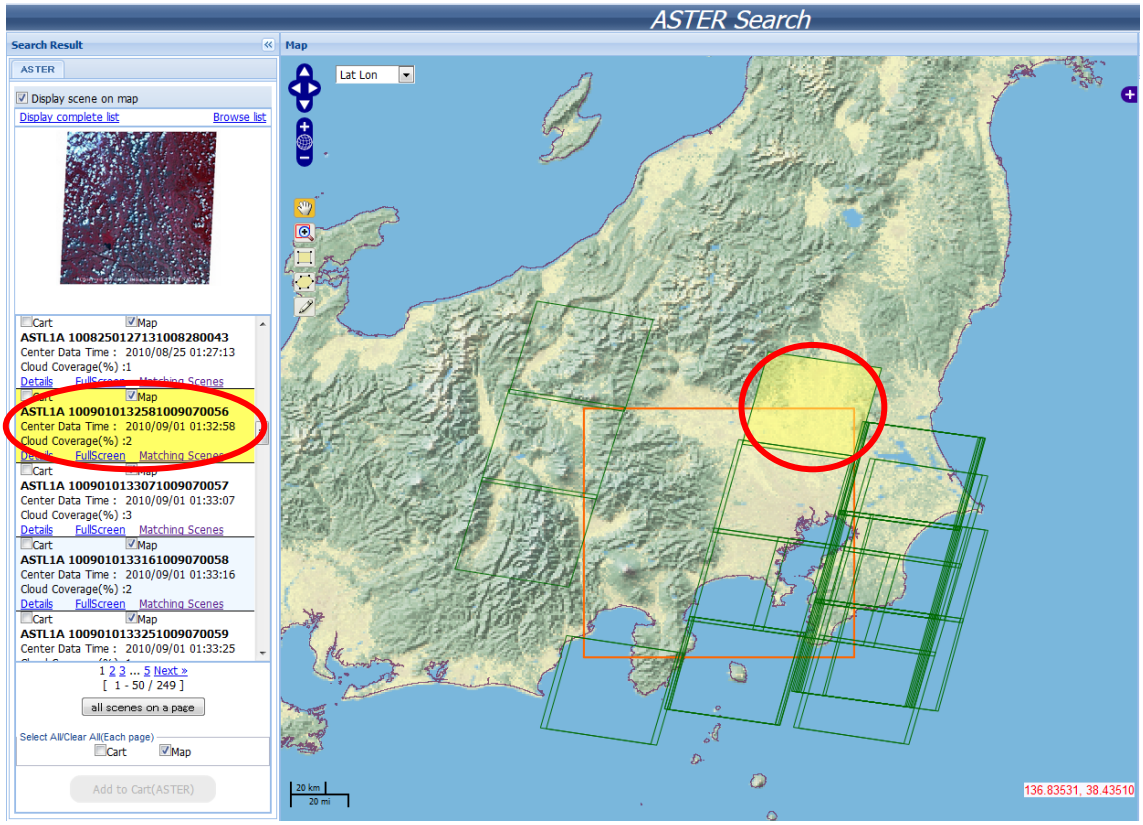


Fig. 2.7.1-1 Highlight Selected Scene

2.7.2. Display Browse Image

When a scene which has browse image is selected, its browse image is displayed on the top of the [Search Result] list. When a browse image is clicked, its image in the original size shows up on a new window.

ASTER search results show browse images of below sensors depending on observation mode.

Table 2.7.2-1 ASTER Browse Image Types for Display

Observation Mode	Sensor
Full Mode	VNIR
VNIR Only	VNIR
SWIR + TIR	SWIR
TIR Only	TIR

2.7.3. Show Details of Search Result

Click [Details] in the list of [Search Result] to switch to the detailed display of the product. Click [Simple] to go back to simple display.

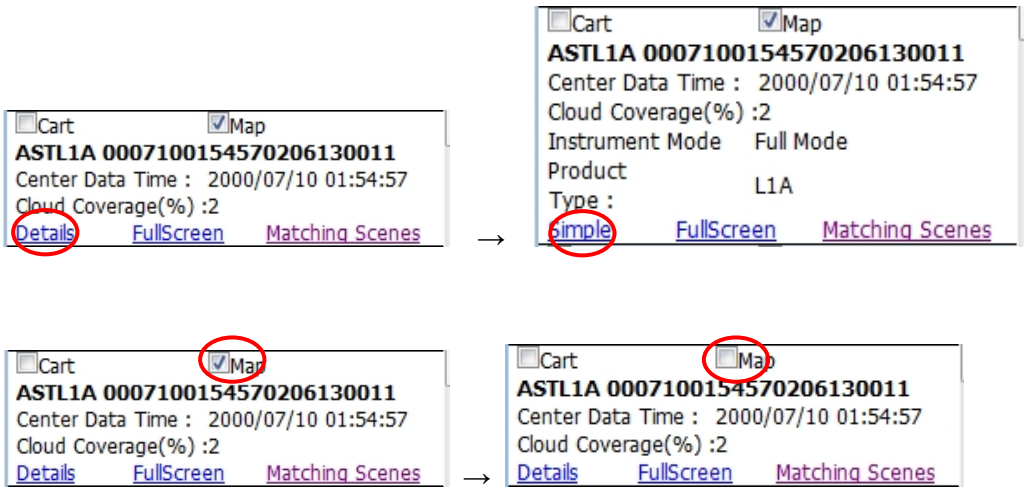


Fig. 2.7.3-1 Detailed Display/Simple Display

2.7.4. Display/Hide Scenes on Map

Check [Map] in the [Search Result] list to display the scene on map, and uncheck to hide.

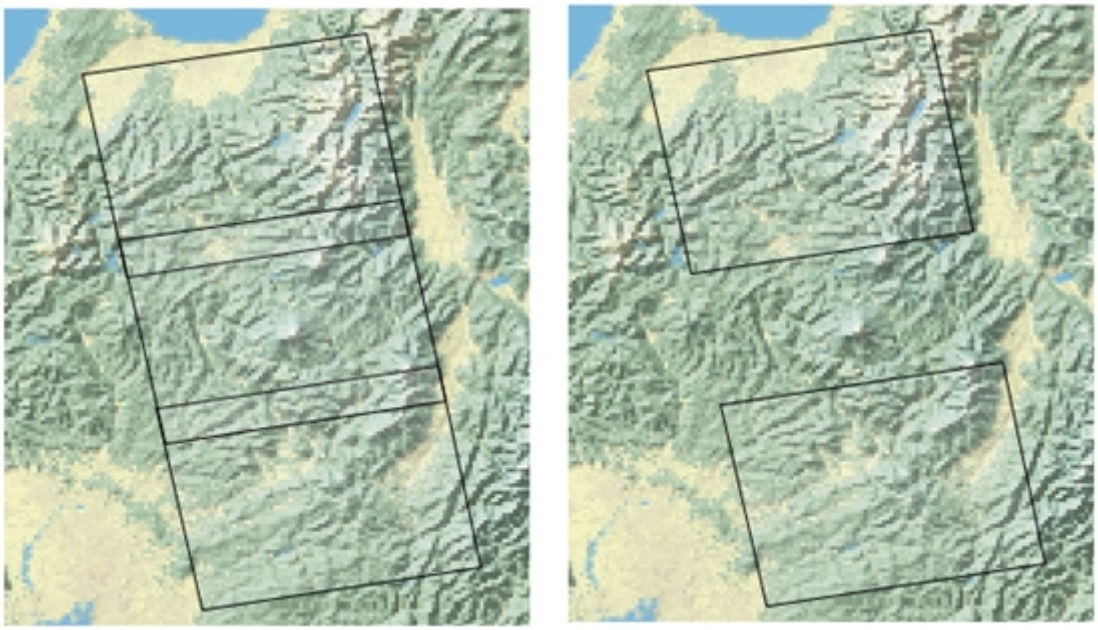


Fig. 2.7.4-1 Display and Hide Scene on Map

Check [Map] at the bottom of the [Search Result] list to display all the search results on the page.

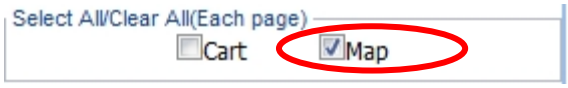


Fig. 2.7.4-2 Check Box of [Map] at the Bottom of Search Result List

2.7.5. Display Detailed Information on Data Product

Click [Full Screen] on the search result list.

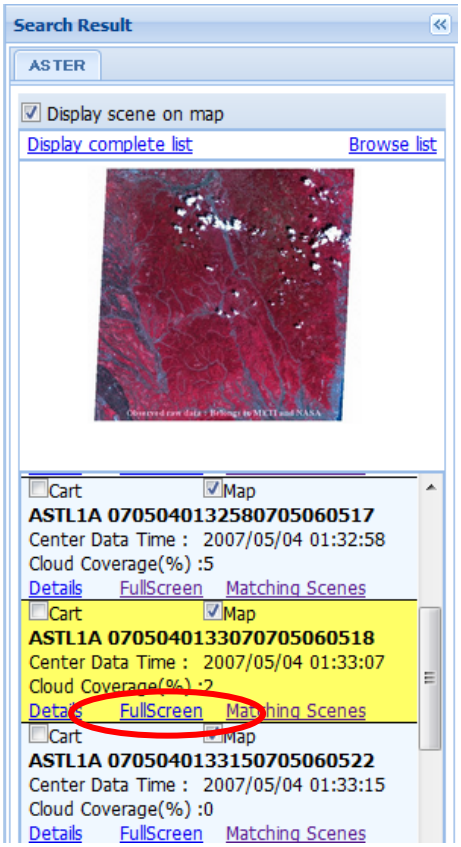
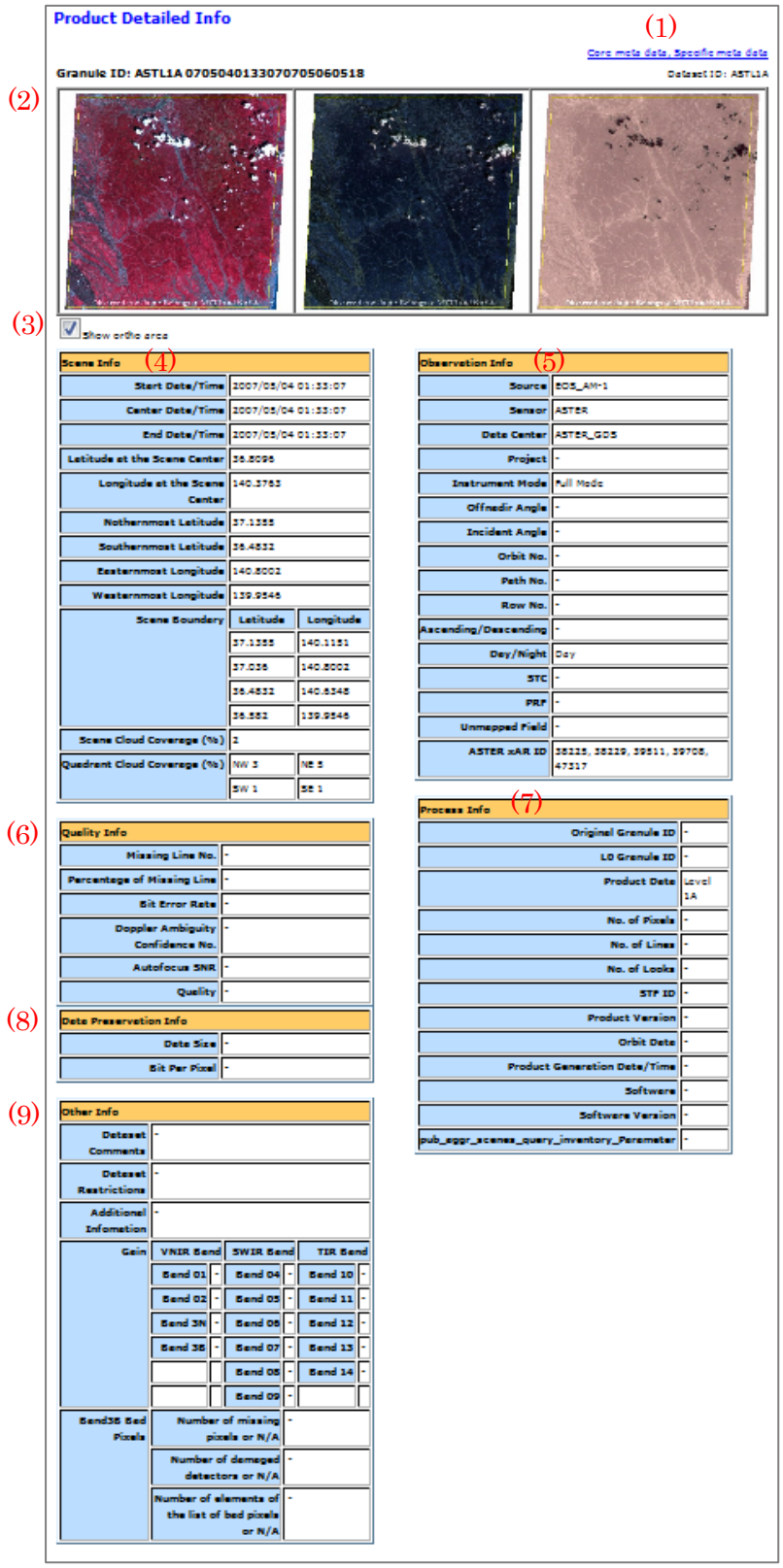


Fig. 2.7.5-1 Click [Full Screen]

A new window appears to show the detailed information on the selected scene.

The following example is [Product Detailed Info] window.



Product Detailed Info

(1)

Core meta data, Specific meta data

Granule ID: ASTL1A 0705040133070705060518

Dataset ID: ASTL1A

(2)

(3) Show ortho area

(4)

Scene Info		
Start Date/Time	2007/05/04 01:33:07	
Center Date/Time	2007/05/04 01:33:07	
End Date/Time	2007/05/04 01:33:07	
Latitude at the Scene Center	36.8096	
Longitude at the Scene Center	140.3763	
Nothernmost Latitude	37.1355	
Southernmost Latitude	36.4832	
Easternmost Longitude	140.6002	
Westernmost Longitude	139.9546	
Scene Boundary	Latitude	Longitude
	37.1355	140.1151
	37.036	140.6002
	36.4832	140.6345
	36.582	139.9546
Scene Cloud Coverage (%)	1	
Quadrant Cloud Coverage (%)	NW 3	NE 5
	SW 1	SE 1

(5)

Observation Info	
Source	EOS_AM-1
Sensor	ASTER
Data Center	ASTER_GDS
Project	-
Instrument Mode	Full Mode
Offnadir Angle	-
Incident Angle	-
Orbit No.	-
Path No.	-
Row No.	-
Ascending/Descending	-
Day/Night	Day
STC	-
PRF	-
Unmapped Field	-
ASTER xAR ID	38225, 38219, 39511, 39705, 47317

(6)

Quality Info	
Missing Line No.	-
Percentage of Missing Line	-
Bit Error Rate	-
Doppler Ambiguity Confidence No.	-
Autofocus SNR	-
Quality	-

(7)

Process Info	
Original Granule ID	-
L0 Granule ID	-
Product Date	Level 1A
No. of Pixels	-
No. of Lines	-
No. of Looks	-
STF ID	-
Product Version	-
Orbit Date	-
Product Generation Date/Time	-
Software	-
Software Version	-
pub_aggr_scenes_query_inventory_Parameter	-

(8)

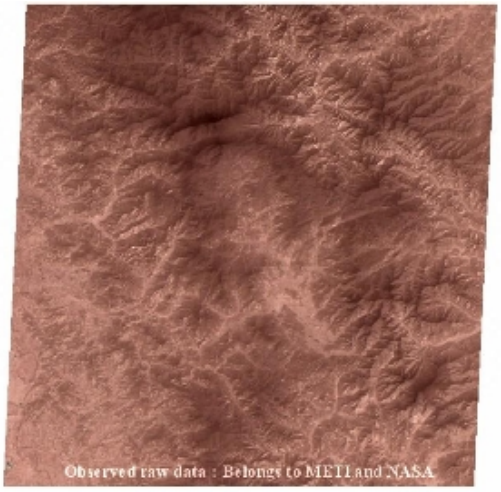
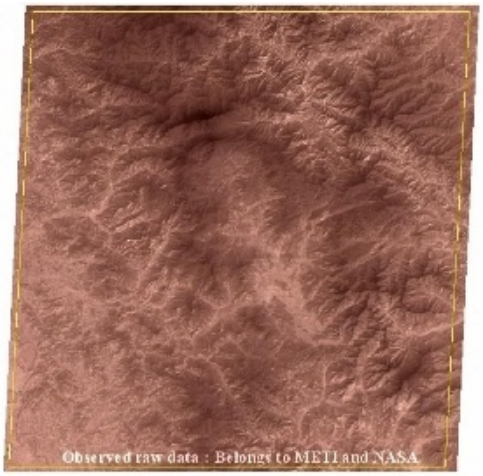
Data Preservation Info	
Data Size	-
Bit Per Pixel	-

(9)

Other Info						
Dataset Comments	-					
Dataset Restrictions	-					
Additional Infomation	-					
Gain	VNIR Band		SWIR Band		TIR Band	
	Band 01	-	Band 04	-	Band 10	-
	Band 02	-	Band 05	-	Band 11	-
	Band 3N	-	Band 06	-	Band 12	-
	Band 3B	-	Band 07	-	Band 13	-
			Band 08	-	Band 14	-
			Band 09	-		
Band38 Bad Pixels	Number of missing pixels or N/A	-				
	Number of damaged detectors or N/A	-				
	Number of elements of the list of bad pixels or N/A	-				

Fig. 2.7.5-2 Data Product Detailed Information

Table 2.7.5-1 Contents on [Product Detailed Info] Window

No.	Content	Description
(1)	Link to Core meta data and Specific meta data	Core meta data and Specific meta data can be accessed. Display of each meta data is switched on tab.
(2)	Browse images	Browse images are displayed. When browse image doesn't exist, a message [No Browse Image] appears. Enlarged image shows up on a new window when clicking the image
(3)	Show ortho area	Expected scene area in case ortho product is generated is shown in yellow line [Box unchecked]  [Box checked] 

No.	Content	Description
(4)	Scene Info	Information of the scene
(5)	Observation Info	Observation of the scene
(6)	Quality Info	Information of its quality
(7)	Process Info	Information of data processing
(8)	Data Preservation Info	Information of data preservation
(9)	Other Info	Other information

Click the [Core meta data, Specific meta data] link at [Product Detailed Info] window to show [Show Core meta data, Specific meta data].

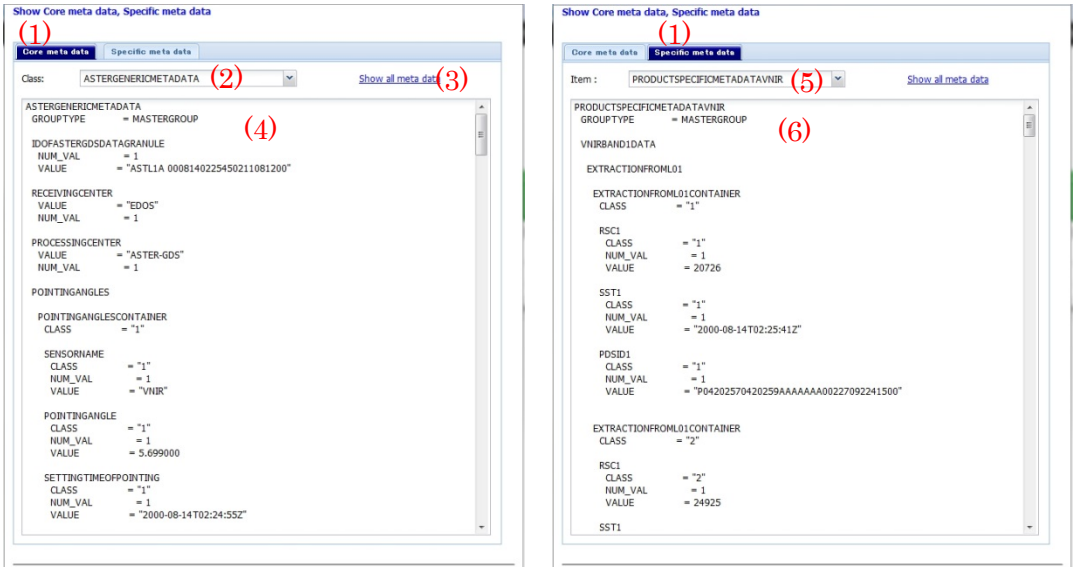


Fig. 2.7.5-3 Left: [Core meta data] Tab, Right: [Specific meta data] Tab

Table 2.7.5-4 Contents of [Core meta data / Specific meta data] Screen

No.	Content	Description
(1)	Core meta data/Specific meta data tabs	Information of core meta data and specific meta data is displayed by switching tab

No.	Content	Description
(2)	Class name drop-down list	Class name list of core metadata is shown
(3)	Show all meta data	All meta data is displayed on a new tab
(4)	Core meta data	Core meta data selected by class name drop-down list is displayed
(5)	Item name drop-down list	Item name list of specific meta data is shown
(6)	Specific meta data	Specific meta data selected by item name drop-down list is shown

2.7.6. Add Scenes to Cart

Select scenes to order data products. Check [Cart] of each scene to add to [Cart]. The selected scene is highlighted in red frame on the map.

Click [Add to Cart (ASTER)] to move to the [Cart] screen.

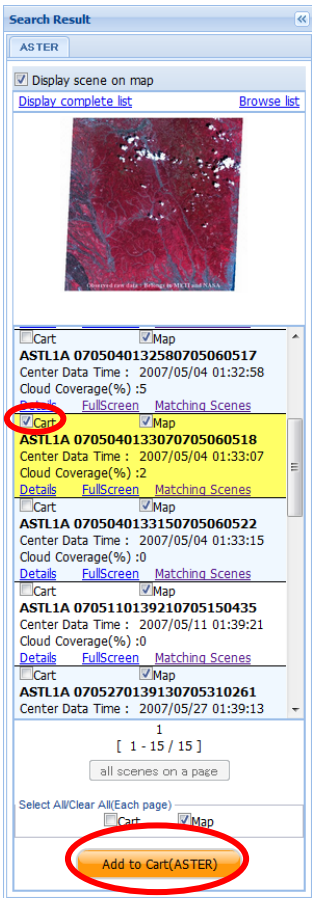


Fig. 2.7.6-1 Check [Cart] and Click [Add to Cart (ASTER)]

2.7.7. Display Complete List of Search Result

Click [Display complete list] on top of [Search Result] to show all the search results on a list.

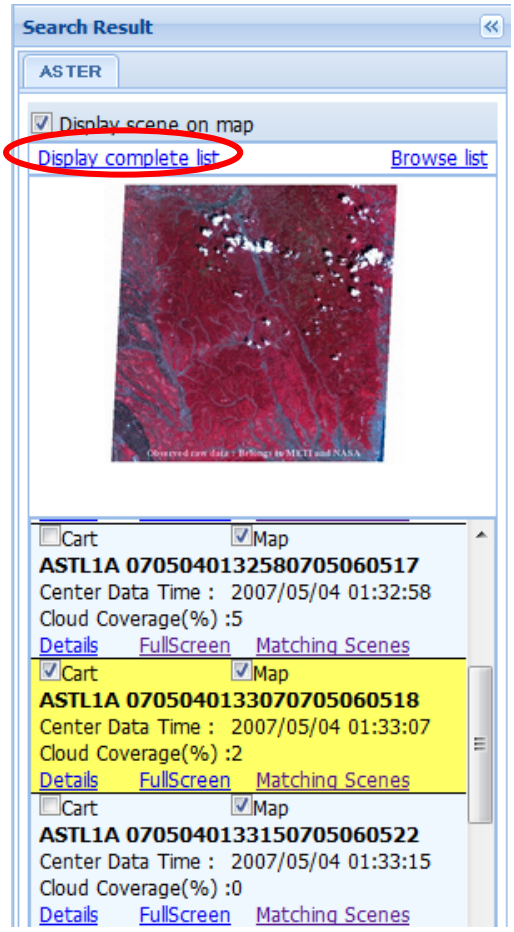
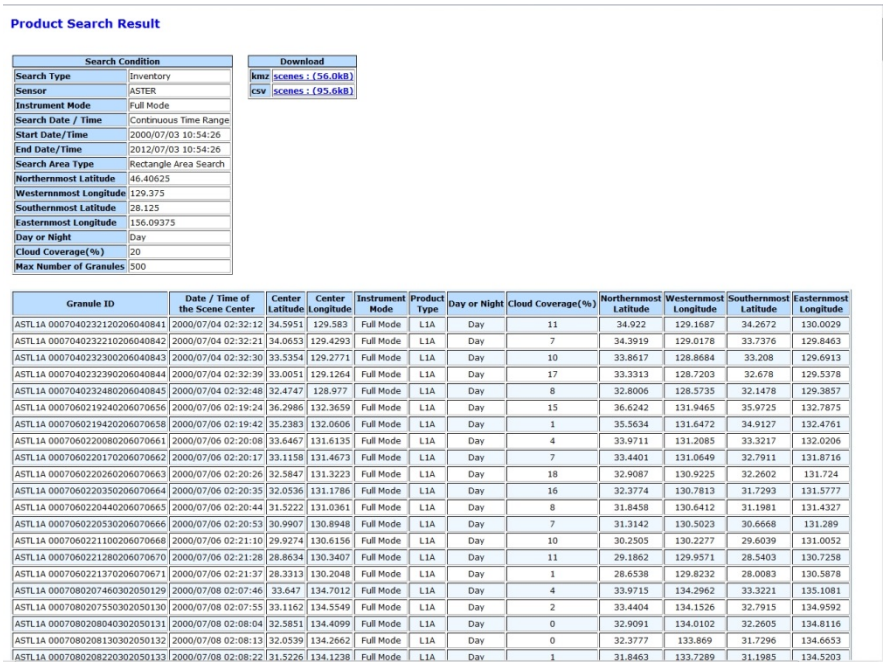


Fig. 2.7.7-1 Click [Display complete list]

An example of a complete list of search results is shown below.



Product Search Result

Search Condition	
Search Type	Inventory
Sensor	ASTER
Instrument Mode	Full Mode
Search Date / Time	Continuous Time Range
Start Date/Time	2000/07/03 10:54:26
End Date/Time	2012/07/03 10:54:26
Search Area Type	Rectangle Area Search
Northernmost Latitude	46.40625
Westernmost Longitude	129.375
Southernmost Latitude	28.125
Easternmost Longitude	156.09375
Day or Night	Day
Cloud Coverage(%)	20
Max Number of Granules	500

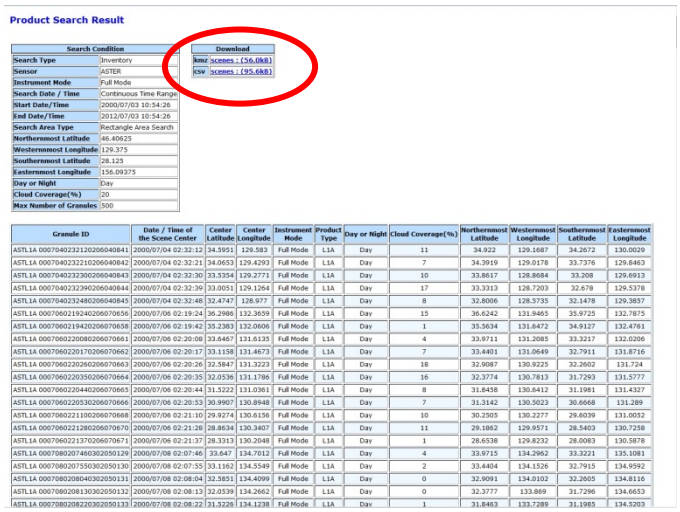
Download	
kmz	scenes : (56.0kB)
csv	scenes : (95.6kB)

Granule ID	Date / Time of the Scene Center	Center Latitude	Center Longitude	Instrument Mode	Product Type	Day or Night	Cloud Coverage(%)	Northernmost Latitude	Westernmost Longitude	Southernmost Latitude	Easternmost Longitude
ASTL1A 0007040232120206040841	2000/07/04 02:32:12	34.5951	129.583	Full Mode	L1A	Day	11	34.922	129.1687	34.2672	130.0029
ASTL1A 0007040232210206040842	2000/07/04 02:32:21	34.0653	129.4293	Full Mode	L1A	Day	7	34.3919	129.0178	33.7376	129.8463
ASTL1A 0007040232300206040843	2000/07/04 02:32:30	33.5354	129.2771	Full Mode	L1A	Day	10	33.8617	128.8684	33.208	129.6913
ASTL1A 0007040232390206040844	2000/07/04 02:32:39	33.0051	129.1264	Full Mode	L1A	Day	17	33.3313	128.7203	32.678	129.5378
ASTL1A 0007040232480206040845	2000/07/04 02:32:48	32.4747	128.977	Full Mode	L1A	Day	8	32.8006	128.5735	32.1478	129.3857
ASTL1A 0007060219240206070656	2000/07/06 02:19:24	36.2986	132.3659	Full Mode	L1A	Day	15	36.6242	131.9465	35.9725	132.7875
ASTL1A 0007060219420206070658	2000/07/06 02:19:42	35.2383	132.0606	Full Mode	L1A	Day	1	35.5634	131.6472	34.9127	132.4761
ASTL1A 0007060220080206070661	2000/07/06 02:20:08	33.6467	131.6135	Full Mode	L1A	Day	4	33.9711	131.2085	33.3217	132.0206
ASTL1A 0007060220170206070662	2000/07/06 02:20:17	33.1158	131.4673	Full Mode	L1A	Day	7	33.4401	131.0649	32.7911	131.8716
ASTL1A 0007060220260206070663	2000/07/06 02:20:26	32.5847	131.3223	Full Mode	L1A	Day	18	32.9087	130.9225	32.2602	131.724
ASTL1A 0007060220350206070664	2000/07/06 02:20:35	32.0536	131.1786	Full Mode	L1A	Day	16	32.3774	130.7813	31.7293	131.5777
ASTL1A 0007060220440206070665	2000/07/06 02:20:44	31.5222	131.0361	Full Mode	L1A	Day	8	31.8458	130.6412	31.1981	131.4327
ASTL1A 0007060220530206070666	2000/07/06 02:20:53	30.9907	130.8948	Full Mode	L1A	Day	7	31.3142	130.5023	30.6668	131.289
ASTL1A 0007060221100206070668	2000/07/06 02:21:10	29.9274	130.6156	Full Mode	L1A	Day	10	30.2505	130.2277	29.6039	131.0052
ASTL1A 0007060221280206070670	2000/07/06 02:21:28	28.8634	130.3407	Full Mode	L1A	Day	11	29.1862	129.9571	28.5403	130.7258
ASTL1A 0007060221370206070671	2000/07/06 02:21:37	28.3313	130.2048	Full Mode	L1A	Day	1	28.6538	129.8232	28.0083	130.5878
ASTL1A 0007080207460302050129	2000/07/08 02:07:46	33.647	134.7012	Full Mode	L1A	Day	4	33.9715	134.2962	33.3221	135.1081
ASTL1A 0007080207550302050130	2000/07/08 02:07:55	33.1162	134.5549	Full Mode	L1A	Day	2	33.4404	134.1526	32.7915	134.9592
ASTL1A 0007080208040302050131	2000/07/08 02:08:04	32.5851	134.4099	Full Mode	L1A	Day	0	32.9091	134.0102	32.2605	134.8116
ASTL1A 0007080208130302050132	2000/07/08 02:08:13	32.0539	134.2662	Full Mode	L1A	Day	0	32.3777	133.869	31.7296	134.6653
ASTL1A 0007080208220302050133	2000/07/08 02:08:22	31.5226	134.1238	Full Mode	L1A	Day	1	31.8463	133.7289	31.1985	134.5203

Fig. 2.7.7-2 Complete List of Search Result

2.7.8. Download Search Result

Displayed complete list of product search results can be downloaded in KMZ and/or CSV formats from the [Download] field. KMZ format is the compressed file of KML.



Product Search Result

Search Condition	
Search Type	Inventory
Sensor	ASTER
Instrument Mode	Full Mode
Search Date / Time	Continuous Time Range
Start Date/Time	2000/07/03 10:54:26
End Date/Time	2012/07/03 10:54:26
Search Area Type	Rectangle Area Search
Northernmost Latitude	46.40625
Westernmost Longitude	129.375
Southernmost Latitude	28.125
Easternmost Longitude	156.09375
Day or Night	Day
Cloud Coverage(%)	20
Max Number of Granules	500

Download	
kmz	scenes : (56.0kB)
csv	scenes : (95.6kB)

Granule ID	Date / Time of the Scene Center	Center Latitude	Center Longitude	Instrument Mode	Product Type	Day or Night	Cloud Coverage(%)	Northernmost Latitude	Westernmost Longitude	Southernmost Latitude	Easternmost Longitude
ASTL1A 0007040232120206040841	2000/07/04 02:32:12	34.5951	129.583	Full Mode	L1A	Day	11	34.922	129.1687	34.2672	130.0029
ASTL1A 0007040232210206040842	2000/07/04 02:32:21	34.0653	129.4293	Full Mode	L1A	Day	7	34.3919	129.0178	33.7376	129.8463
ASTL1A 0007040232300206040843	2000/07/04 02:32:30	33.5354	129.2771	Full Mode	L1A	Day	10	33.8617	128.8684	33.208	129.6913
ASTL1A 0007040232390206040844	2000/07/04 02:32:39	33.0051	129.1264	Full Mode	L1A	Day	17	33.3313	128.7203	32.678	129.5378
ASTL1A 0007040232480206040845	2000/07/04 02:32:48	32.4747	128.977	Full Mode	L1A	Day	8	32.8006	128.5735	32.1478	129.3857
ASTL1A 0007060219240206070656	2000/07/06 02:19:24	36.2986	132.3659	Full Mode	L1A	Day	15	36.6242	131.9465	35.9725	132.7875
ASTL1A 0007060219420206070658	2000/07/06 02:19:42	35.2383	132.0606	Full Mode	L1A	Day	1	35.5634	131.6472	34.9127	132.4761
ASTL1A 0007060220080206070661	2000/07/06 02:20:08	33.6467	131.6135	Full Mode	L1A	Day	4	33.9711	131.2085	33.3217	132.0206
ASTL1A 0007060220170206070662	2000/07/06 02:20:17	33.1158	131.4673	Full Mode	L1A	Day	7	33.4401	131.0649	32.7911	131.8716
ASTL1A 0007060220260206070663	2000/07/06 02:20:26	32.5847	131.3223	Full Mode	L1A	Day	18	32.9087	130.9225	32.2602	131.724
ASTL1A 0007060220350206070664	2000/07/06 02:20:35	32.0536	131.1786	Full Mode	L1A	Day	16	32.3774	130.7813	31.7293	131.5777
ASTL1A 0007060220440206070665	2000/07/06 02:20:44	31.5222	131.0361	Full Mode	L1A	Day	8	31.8458	130.6412	31.1981	131.4327
ASTL1A 0007060220530206070666	2000/07/06 02:20:53	30.9907	130.8948	Full Mode	L1A	Day	7	31.3142	130.5023	30.6668	131.289
ASTL1A 0007060221100206070668	2000/07/06 02:21:10	29.9274	130.6156	Full Mode	L1A	Day	10	30.2505	130.2277	29.6039	131.0052
ASTL1A 0007060221280206070670	2000/07/06 02:21:28	28.8634	130.3407	Full Mode	L1A	Day	11	29.1862	129.9571	28.5403	130.7258
ASTL1A 0007060221370206070671	2000/07/06 02:21:37	28.3313	130.2048	Full Mode	L1A	Day	1	28.6538	129.8232	28.0083	130.5878
ASTL1A 0007080207460302050129	2000/07/08 02:07:46	33.647	134.7012	Full Mode	L1A	Day	4	33.9715	134.2962	33.3221	135.1081
ASTL1A 0007080207550302050130	2000/07/08 02:07:55	33.1162	134.5549	Full Mode	L1A	Day	2	33.4404	134.1526	32.7915	134.9592
ASTL1A 0007080208040302050131	2000/07/08 02:08:04	32.5851	134.4099	Full Mode	L1A	Day	0	32.9091	134.0102	32.2605	134.8116
ASTL1A 0007080208130302050132	2000/07/08 02:08:13	32.0539	134.2662	Full Mode	L1A	Day	0	32.3777	133.869	31.7296	134.6653
ASTL1A 0007080208220302050133	2000/07/08 02:08:22	31.5226	134.1238	Full Mode	L1A	Day	1	31.8463	133.7289	31.1985	134.5203

Fig. 2.7.8-1 Complete List of Search Result

Click [scenes: (xxkB)] to download the list.

2.7.9. Display Browse List

Click [Browse list] on top of the [Search Result] window to display all the browse images

of search results as a list on a single screen.

Select scenes to order and click [Add to Cart] on the [Browse list] screen.

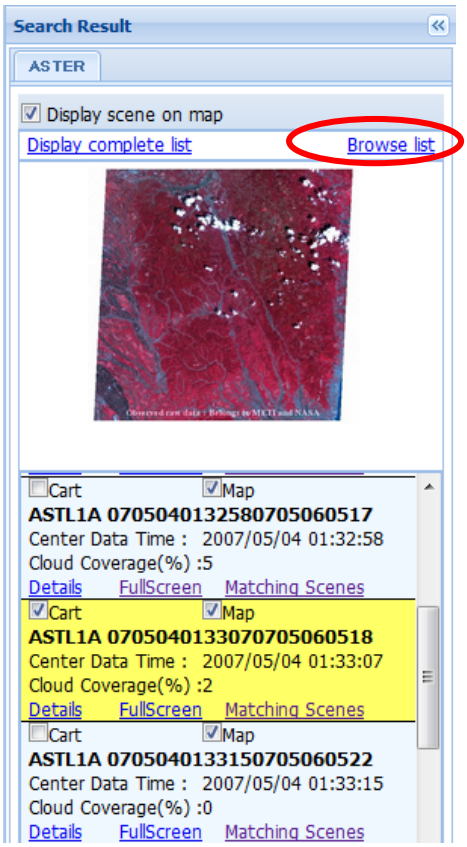


Fig. 2.7.9-1 Click [Browse list]

An example of [Browse list] is shown below.

Fig. 2.7.9-2 ER [Browse list] Screen

Table 2.7.9-1 Contents on [Browse List] Screen

No.	Content	Description
(1)	Show entries pull-down menu	Select a number of scenes to display on a page

No.	Content	Description
(2)	Inventory Information	Show scenes inventory ・Detailed product information ・Center data time of scene ・Observation mod ・Cloud coverage (%) ・Day or Night Product Detailed Info screen shows up when clicking [Full Screen] link under each granule ID. Also, scene can be selected for order by checking [Add to Cart]. Order of scenes can be sorted by item name of selected column.
(3)	Browse Images	Browse Images are displayed. In case browse image does not exist for the scene, a message [No Browse Image] appears. Browse image is enlarged on a new screen when clicking the image.
(4)	Paging	Displayed page of search result list is switched by clicking [First], [Previous], [Next], [Last], or a page number. Scenes in search result list are displayed on a page up to the number of scenes specified by [Show Entries] menu. If the search result has over the specified number of scenes, they are divided in plural pages
(5)	Add to Cart	The scene is added to cart when [Add to Cart] is checked in the list.

No.	Content	Description
(6)	Search	Search is conducted for all the contents in the list, which partially match to the text entered in this box. Only the scenes to meet the search result are displayed.

2.7.10. Search Scenes Covering the Same Area

Click [Matching Scenes] on the [Search Result] window to search scenes covering the same area.

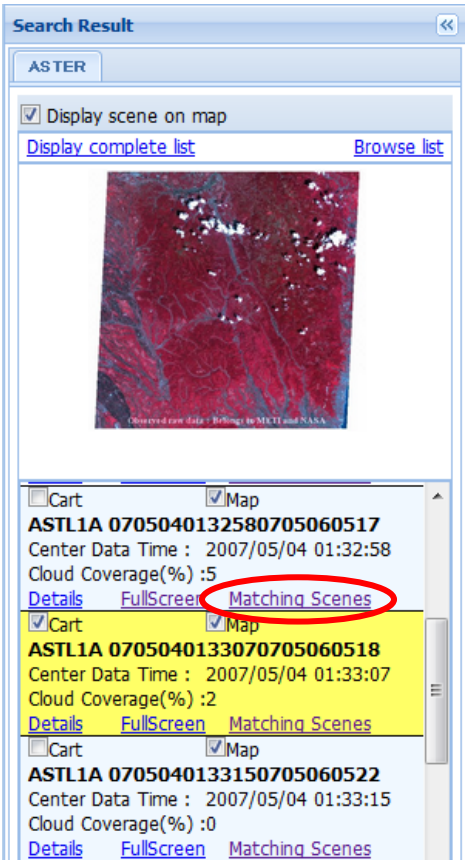


Fig. 2.7.10-1 Select [Matching Scenes]

Specify the search conditions for the same area which opens in a new window.

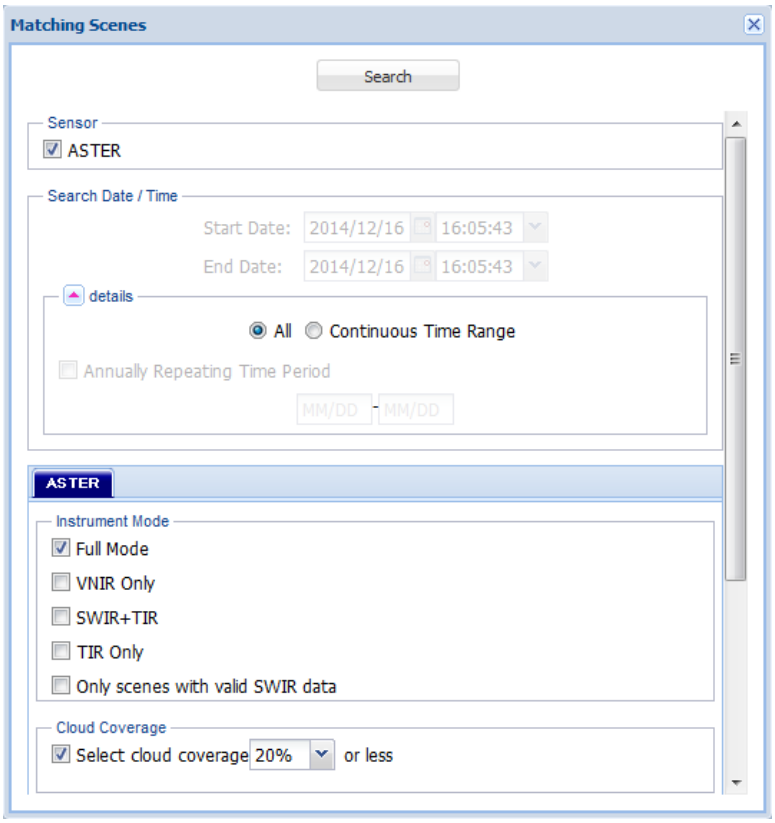


Fig. 2.7.10-2 Specify Search Conditions for Matching Scenes

Specify the conditions below.

- Observation mode
- Cloud coverage

For more information, see [Observation Mode] and [Cloud Coverage] of “2.6.1.1 Set Specific Search Conditions”.

After setting search conditions, click [Search]. The Search Result window shows search results for scenes covering the same area.

Choose a scene you prefer to order from the search results and add it to [Cart].

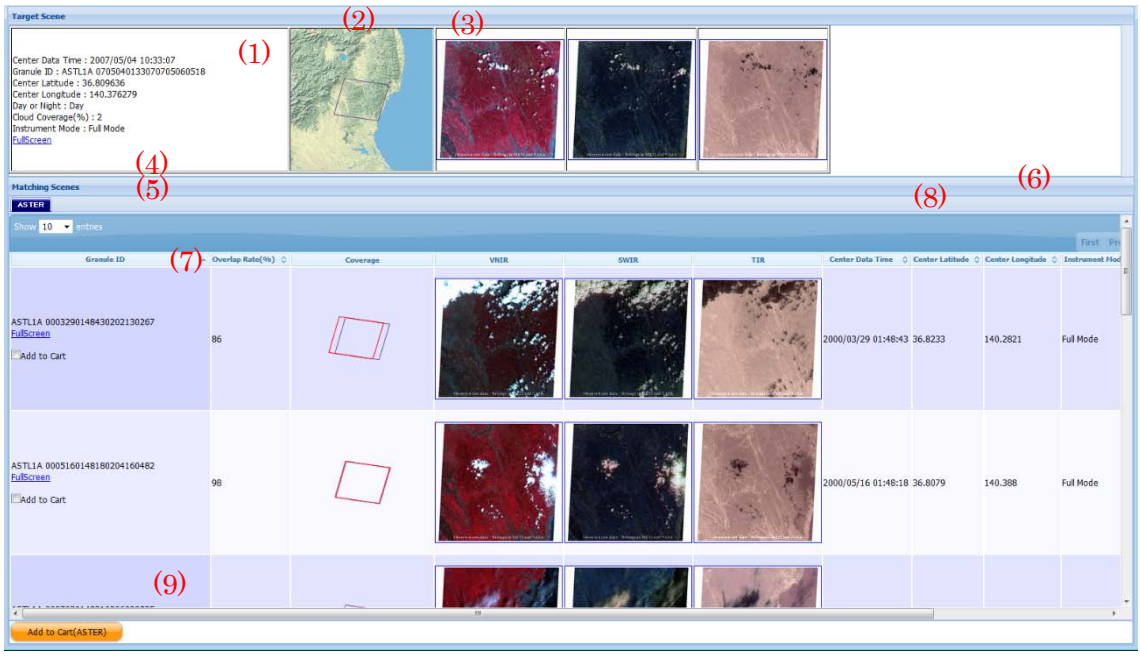


Fig. 2.7.10-3 Search Result for Matching Scenes

Table 2.7.10-1 Contents of Search Result for Matching Scenes

No.	Content	Description
(1)	Inventory information filed of Target Scene	Display Inventory information of Target Scene specified by Search Result
(2)	Coverage map display of a standard scene	Display coverage map of Target Scene on Map
(3)	Browse image of Target Scene	Display browse image of Target Scene
(4)	ASTER tab	Display search results

No.	Content	Description
(5)	Inventory Information on retrieved scenes	Show the following inventory information. [ASTER] ・Detailed Product Information ・Scene coverage ・Browse images ・Overlap rate (%) ・Observation date and time of scene center ・Observation mode ・Cloud coverage (%) ・Day or Night Display detailed Product Info window when clicking [Full Screen] link under each granule ID. Also, select scene for order by checking [Add to Cart]. Coverage shows how the target scene (purple line) and the retrieved scene (red line) overlap.
（6）	Paging	Switch displayed page of search result list by clicking [First], [Previous], [Next], [Last], or each page number. Search result list displays scenes in one page up to the number specified on [ShowEntries] menu. When search results exceed the specified number of scenes, they are divided in plural pages.
（7）	Add to Cart	Put checked scenes into Cart.

.

2.8. Order Data Product

2.8.1. Display Cart (Product Order Window)

Add ASTER scene to [Cart] from the [Search Result] window (See “2.7.6. Add Scenes to Cart”), the [Browse list] window (See “2.7.9 Display Browse List”); or search results for [Matching Scenes] (See “2.7.10 Search Scenes Covering the Same Area”). [Product Order] window appears in a new window. Check the content.

The [User Certification] (Login) window of [ASTER Search] appears first for the user who hasn't performed certification for account of [ASTER Search].

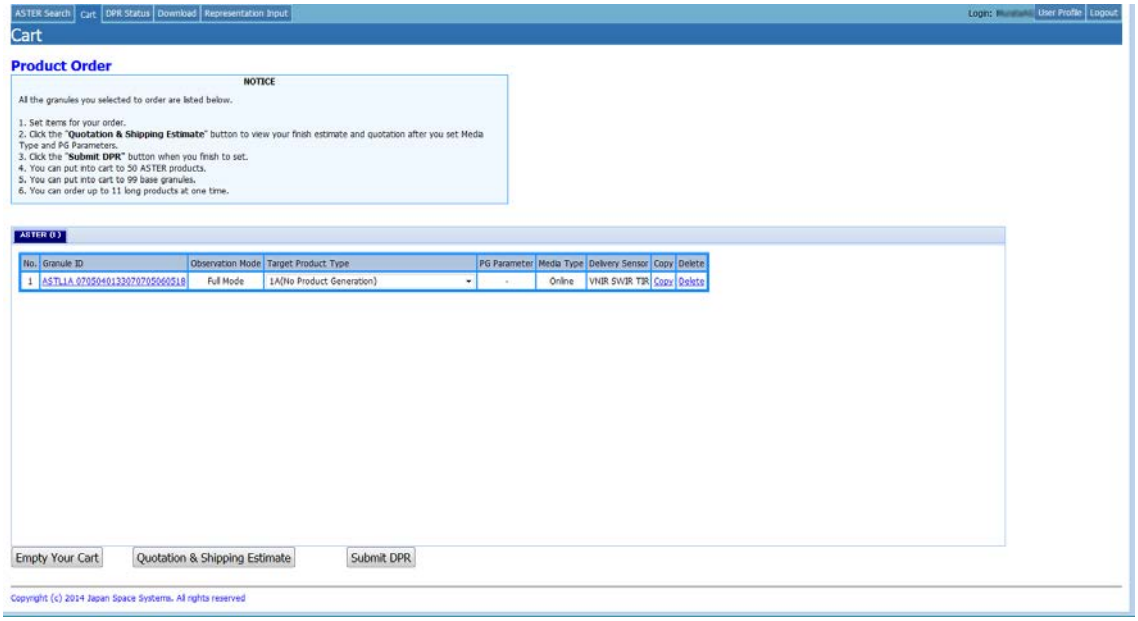


Fig. 2.8.1-1 Cart (Product Order Window) of [ASTER Search]

[Cart (Product Order Window)] shows list of products added into [Cart].

Place an order by setting Target Product Type and specifying [PG Parameter].

2.8.2. Display Product Detailed Info

In order to display [Product Detailed Info], click the [Granule ID] link of [Granule ID] field on product list. The [Product Detailed Info] window (See “2.7.5 Display Detailed Information on Data Product“) appears in a new window.

2.8.3. Select Target Product Type and PG Parameter

Select a target product type and PG parameters for a necessary product from the [Target Product Type] field and the [PG Parameter] field in the [Product Order] window.

Specify a target product type from the [Target Product Type] list. Selectable target product types have restriction by the observation mode of raw data. For the restrictions corresponding to each observation mode, check the following table. Target product types not generated from the selected product is not displayed in the list.

Table 2.8.3-1 Selectable Target Product Types for Each ASTER Observation Mode

Observation Mode	Selectable Target Products
Full Mode	1A, 1B, 2B01V, 2B01S, 2B01T, 2B03, 2B04, 2B05V, 2B05S, 3A01, 4A01Z
VNIR Only	1A, 1B, 2B01V, 2B05V, 2B05S, 3A01, 4A01Z
SWIR+TIR	1A, 1B, 2B01S, 2B01T, 2B03, 2B04, 2B05S, 3A01, 4A01Z
TIR Only	1A, 1B, 2B01T, 2B03, 2B04

In addition, selectable PG parameters and input value per PG parameter vary by [Target Product Type]. Select [PG Parameter] for an intermediate product, depending on a target product type. [Target Product Type], selectable [PG Parameter] and its set value are as follows.

Table 2.8.3-2 Selectable PG Parameters, Input Values and Conditions Applicable to ASTER Target Product Type

Target Product Type	Inetrmediate Product (*1)	PG Paremeters	Set Values	Conditions
1A	-	-	-	
1B	-	Map Projection	"UTM (Universal Transverse Mercator)" "LCC" Polar Stereo SOM LATLON"	"Polar Stereo" is available only when the latitude of [Center of Projection] is north than 35 degrees N or south than.
		Resampling	"Cubic Convolution" "Nearest Neighbor" "Bi-Linear"	
2B01V	1B	Aerosol Source	"Climatology (NRL)"	
		Ozone Source	"Climatology (NRL)"	
		Carbon Dioxide Source	"Climatology (NRL)"	
		Water Vapor Profile Source	"Climatology (NRL)" "NCEP"	
		Temperature Profile Source	"Climatology (NRL)" "NCEP"	
		Pressure Profile Source	"Climatology (NRL)" “NCEP"	
		Signal Scatter Albedo Source	"Climatic Value "	
		Aerosol Optical Depth Source	"Climatology (NRL)"	

Target Product Type	Inetrmediate Product（*1）	PG Parematers	Set Values	Conditions
		Molecular Optical Depth Source	"Climatology (NRL)"	
		Yung Parameter Source	"Climatology (NRL)"	
		DEM	"ETOP05"	
		DEM Slope Selection	"ETOP05"	
		Crosstalk Correction	"Yes”	
2B01S	1B	Aerosol Source	"Climatology (NRL)"	
		Ozone Source	"Climatology (NRL)"	
		Carbon Dioxide Source	"Climatology (NRL)"	
		Water Vapor Profile Source	"Climatology (NRL)" “NCEP“	
		Temperature Profile Source	"Climatology (NRL)" “NCEP“	
		Pressure Profile Source	"Climatology (NRL)" “NCEP“	
		Signal Scatter Albedo Source	"Climatology (NRL)"	
		Aerosol Optical Depth Source	"Climatology (NRL)"	
		Molecular Optical Depth Source	"Climatology (NRL)"	
		Yung Parameter Source	"Climatology (NRL)"	
		DEM	"ETOP05"	
		DEM Slope Selection	"ETOP05"	

Target Product Type	Inetrmediate Product (*1)	PG Parematers	Set Values	Conditions
		Crosstalk Correction	"Yes" "No"	
2B01T	1B	Aerosol Source	"Climatology (NRL)"	
		Ozone Source	"Climatology (NRL)"	
		Carbon Dioxide Source	"Climatology (NRL)"	
		Water Vapor Profile Source	"Climatology (NRL)" "NCEP"	
		Temperature Profile Source	"Climatology (NRL)" "NCEP"	
		Pressure Profile Source	"Climatology (NRL)" "NCEP"	
		DEM	"ETOP05"	
2B03	1B 2B01T	-	-	
2B04	1B 2B01T	-	-	
2B05V	1B	Aerosol Source	"Climatology (NRL)"	
		Ozone Source	"Climatology (NRL)"	
		Carbon Dioxide Source	"Climatology (NRL)"	
		Water Vapor Profile Source	"Climatology (NRL)" "NCEP"	

Target Product Type	Inetrmediate Product（*1）	PG Parematers	Set Values	Conditions
		Temperature Profile Source	"Climatology (NRL)" "NCEP"	
		Pressure Profile Source	"Climatology (NRL)" "NCEP"	
		Signal Scatter Albedo Source	"Climatology (NRL)"	
		Aerosol Optical Depth Source	"Climatology (NRL)"	
		Molecular Optical Depth Source	"Climatology (NRL)"	
		Yung Parameter Source	"Climatology (NRL)"	
		DEM	"ETOP05"	
		DEM Slope Selection	"ETOP05"	
		Crosstalk Correction	"Yes"	
2B05S	1B	Aerosol Source	"Climatology (NRL)"	
		Ozone Source	"Climatology (NRL)"	
		Carbon Dioxide Source	"Climatology (NRL)"	
		Water Vapor Profile Source	"Climatology (NRL)" "NCEP"	
		Temperature Profile Source	"Climatology (NRL)" "NCEP"	
		Pressure Profile Source	"Climatology (NRL)" "NCEP"	

Target Product Type	Inetrmediate Product（*1）	PG Parematers	Set Values	Conditions
		Signal Scatter Albedo Source	"Climatology (NRL)"	
		Aerosol Optical Depth Source	"Climatology (NRL)"	
		Molecular Optical Depth Source	"Climatology (NRL)"	
		Yung Parameter Source	"Climatology (NRL)"	
		DEM	"ETOP05"	
		DEM Slope Selection	"ETOP05"	
		Crosstalk Correction	"Yes" "No"	
3A01	-	Datum	"WGS84" "Tokyo" "Adindan" "Arc1950" "Arc1960" "Australian1966" "Australian1984" "Camp Area Astro" "Cape" "European 1950" "European 1979" "Geodetic Datum 1949" "Hong Kong 1963"	

Target Product Type	Inetrmediate Product（*1）	PG Parematers	Set Values	Conditions
			"Hu-Tzu-Shan" "Indian" "North American 1927" "North American 1983" "Oman" "Ordnance Survey 1936" “Pulkovo 1942" “Prov. S American 1956" "South American 1969" "WGS72" "user defined"	
		Map Projection	"UTM (Universal Transverse Mercator)" "LCC" "Polar Stereo" "LATLON"	"Polar Stereo" is available only when the latitude of [Center of Projection] is north than 35 degrees N or south than 35 degrees S.
		Resamling	"Cubic Convolution" "Nearest Neighbor" "Bi-Linear"	

Target Product Type	Inetrmediate Product（*1）	PG Parematers	Set Values	Conditions
		Output Pixcel Spacing Type	"Sensor depending" "Matched to VNIR" "Matched to SWIR" "Matched to TIR"	
		Semi-Major Axis of Datum [m]	Input value	Available only for user-defined specified as Datum
		Reciprocal Flattening of Datum [m]	Input value	Available only for user-defined specified as Datum
		Datum Shift X [m]	Input value	Available only for user-defined specified as Datum
		Datum Shift Y [m	Input value	Available only for user-defined specified as Datum
		Datum Shift Z [m]	Input value	Available only for user-defined specified as Datum
		UTM Zone	Input value	Available only for UTM specified as Map Projection
		Center of Projection (Lon.) [deg]	Input value	Available only for LCC specified as Map Projection
		1st standard parallel (Lon.) [deg]	Input value	Available only for LCC specified as Map Projection

Target Product Type	Inetrmediate Product (*1)	PG Parematers	Set Values	Conditions
		2nd standard parallel (Lon.) [deg]	Input value	Available only for LCC specified as Map Projection
		Center of Projection (Lon.)	Input value	Available only for Polar Stereo specified as Map Projection
		"Origin of Projection (Lon.) [deg]"	Input value	Available only for LATLON specified as Map Projection
		"Origin of Projection (Lat.) [deg]"	Input value	Available only for LATLON specified as Map Projection
4A01Z	-	Datum	"WGS84" "Tokyo" "Adindan" "Arc1950" "Arc1960" "Australian1966" "Australian1984" "Camp Area Astro" "Cape" "European 1950" "European 1979" "Geodetic Datum 1949" "Hong Kong 1963"	

Target Product Type	Inetrmediate Product (*1)	PG Parematers	Set Values	Conditions
			"Hu-Tzu-Shan" "Indian" "North American 1927" "North American 1983" "Oman" "Ordnance Survey 1936" "Pulkovo 1942" "Prov. S American 1956" "South American 1969" "WGS72" "user defined"	
		Map Projection	"UTM" "LCC" "Polar Stereo" "LATLON."	"Polar Stereo" is available only when the latitude of [Center of Projection] is north than 35 degrees N or south than 35 degrees S.
		"Interpolation mode (sea)"	"not Interpolate" "Constant"	
		"Interpolation mode (lake)"	"not Interpolate" "Constant" "Interpolate"	

Target Product Type	Inetrmediate Product（*1）	PG Parematers	Set Values	Conditions
		"Interpolation mode (Cloud)"	"not Interpolate" "Constant" "Interpolate"	
		"Interpolation mode (Abnormal)"	"not Interpolate" "Constant" "Interpolate"	
		Semi-Major Axis of Datum [m]	Input value	Available only for user-defined specified as Datum
		Reciprocal Flatterning of Datum	Input value	Available only for user-defined specified as Datum
		Datum Shift X [m]	Input value	Available only for user-defined specified as Datum
		Datum Shift Y [m]	Input value	Available only for user-defined specified as Datum
		Datum Shift Z [m]	Input value	Available only for user-defined specified as Datum
		UTM Zone	Input value	Available only for UTM specified as Map Projection
		Pixcel Spacing (Lon.)	"15m" "30m" "90m"	Available only for UTM specified as Map Projection

Target Product Type	Inetrmediate Product (*1)	PG Paremeters	Set Values	Conditions
		Pixcel Spacing (Lan.)	"15m" "30m" "90m"	Available only for UTM specified as Map Projection
		Center of Projection (Lon.) [deg]	Input value	Available only for LCC specified as Map Projection
		1st standard parallel (Lat.) [deg]	Input value	Available only for LCC specified as Map Projection
		2nd standard parallel (Lat.) [deg]	Input value	Available only for LCC specified as Map Projection
		Pixcel Spacing (Lon.)	"15m" "30m" "90m"	Available only for LCC specified as Map Projection
		Pixcel Spacing (Lat.)	"15m" "30m" "90m"	Available only for LCC specified as Map Projection
		Center of Projection (Lon.)	Input value	Available only for Polar Stereo specified as Map Projection
		Pixcel Spacing (Lon.)	"15m" "30m" "90m"	Available only for Polar Stereo specified as Map Projection

Target Product Type	Inetrmediate Product（*1）	PG Parematers	Set Values	Conditions
		Pixcel Spacing (Lat.)	"15m" "30m" "90m"	Available only for Polar Stereo specified as Map Projection
		Pixcel Spacing (Lon.)	Input value	Available only for LATLON specified as Map Projection
		Pixcel Spacing (Lat.)	Input value	Available only for LATLON specified as Map Projection

(*1) Specify Product Generation Parameters for intermediate product.

The way to specify a target product type and PG parameter for each specified target product is as follws:

a) Specify 1A

Select 1A (No Product Generation) from the [Target Product Type] list. No PG parameter specification.

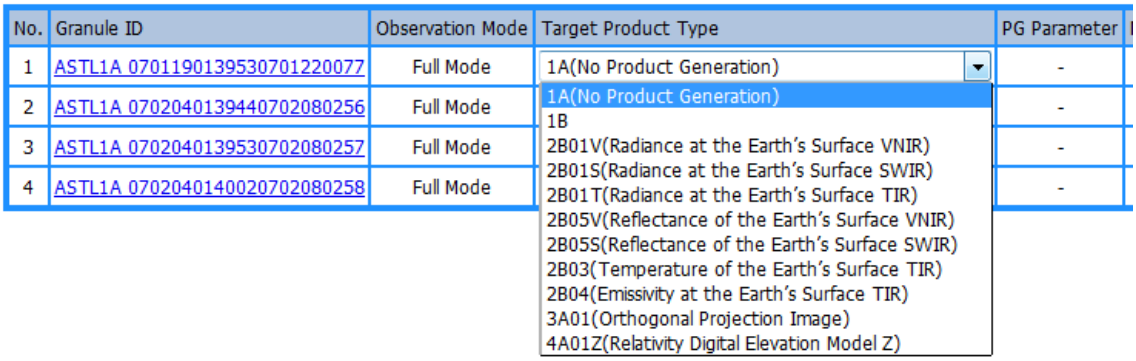


Fig. 2.8.3-1 Specify 1A

b) Specify 1B

Select 1B from the [Target Product Type] list. PG parameters (default value) are set in the [PG Parameter] field.

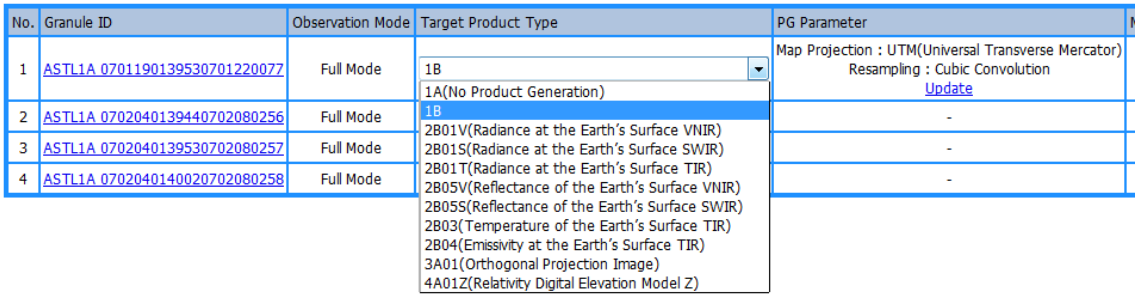


Fig. 2.8.3-2 Specify 1B

Click [Update] in the [PG Parameter] field to modify PG parameters. The [Product Generation Parameters] window appears.

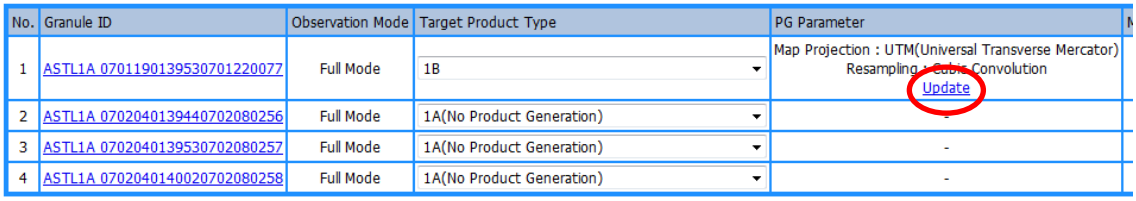


Fig. 2.8.3-3 Click [Update] in the [PG Parameter] Field

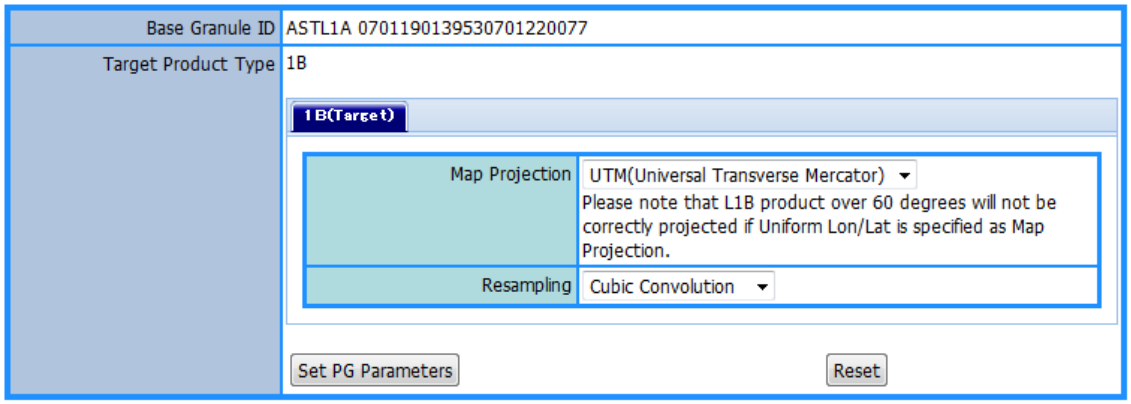


Fig. 2.8.3-4 [Product Generation Parameters] Window for 1B

Specify PG Parameter for 1B by selecting each [Map Projection] and [Resampling] item of PG parameters in the [Product Generation Parameters] window. Refer to "Table 2.8.3-2 Selectable PG Parameters, Input Values and Conditions Applicable to ASTER Target Product Type" for selectable PG parameters and input values.

Click [Set PG Parameters] in the [Product Generation Parameter] Window. Set PG Parameters depending on the input values.Click [Reset] to reset specified conditions.

c) Specify 2B01V

Select 2B01V (Radience at the Earth's Surface VNIR) from the [Target Product Type] list. PG parameters (default value) are set in the [PG Parameter] field.

Click [Update] in the [PG Parameter] field to modify PG parameters like 1B product. The [Product Generation Parameters] window appears.

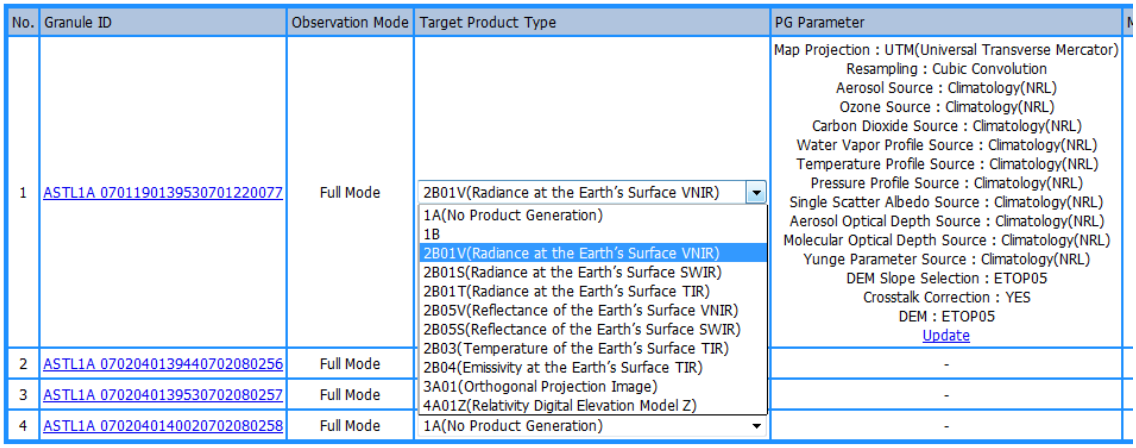


Fig. 2.8.3-5 Specify 2B01V

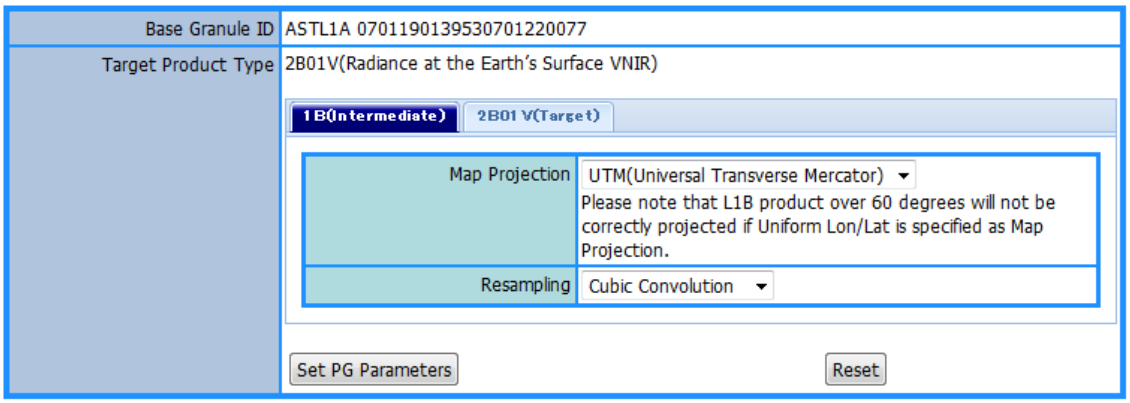


Fig. 2.8.3-6 [Product Generation Parameters] window for 2B01V
(PG Parameters for 1B, an Intermedediate Product)

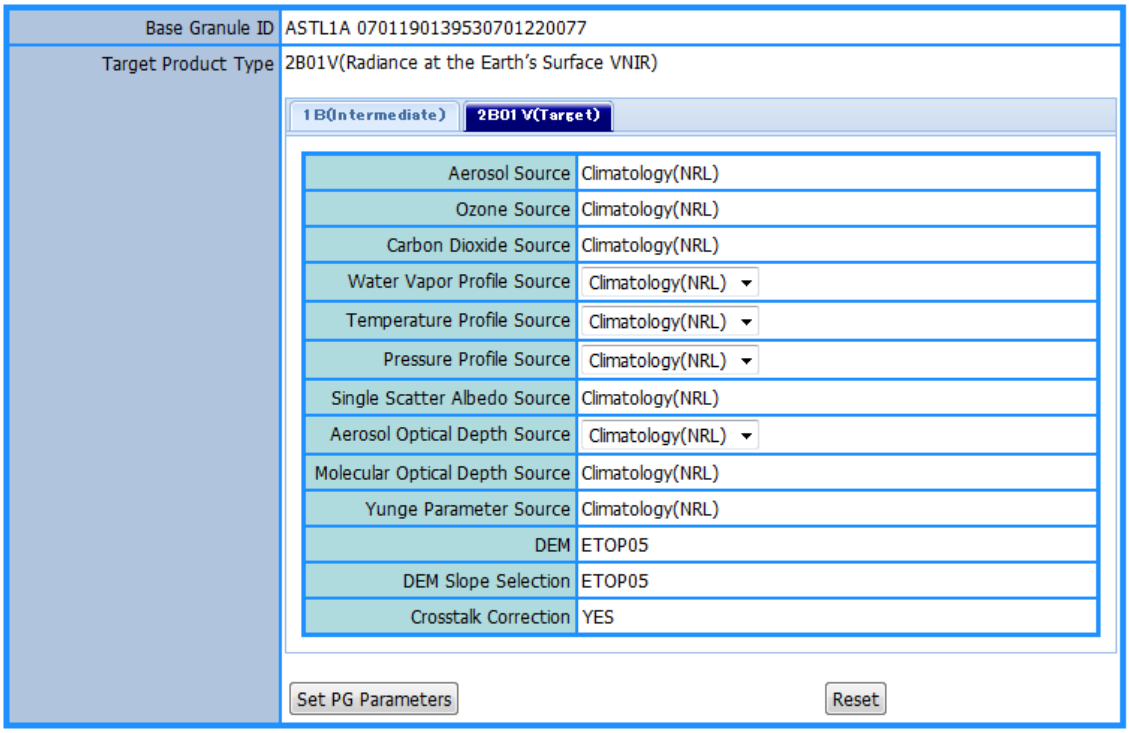


Fig. 2.8.3-7 [Product Generation Parameters] window for 2B01V
(PG Parameters for 2B01V, a Target Product)

Specify PG Parameter for 2B01V as a target product and 1B as an intermediate product respectively by selecting each [Map Projection] and [Resampling] item of PG parameters in the [Product Generation Parameters] window.

Switch 1B and 2B01 by the [1B(Intermediate)] tab and the [2B01V(Target)] tab. Refer to the "Table 2.8.3-2 Selectable PG Parameters, Input Values and Conditions Applicable to ASTER Target Product Type" for Selectable PG parameters and set values.

d) Specify 2B01S

Select 2B01S (Radiance at the Earth's surface SWIR) from the [Target Product Type] list. PG parameters (default value) are set in the [PG Parameter] field.

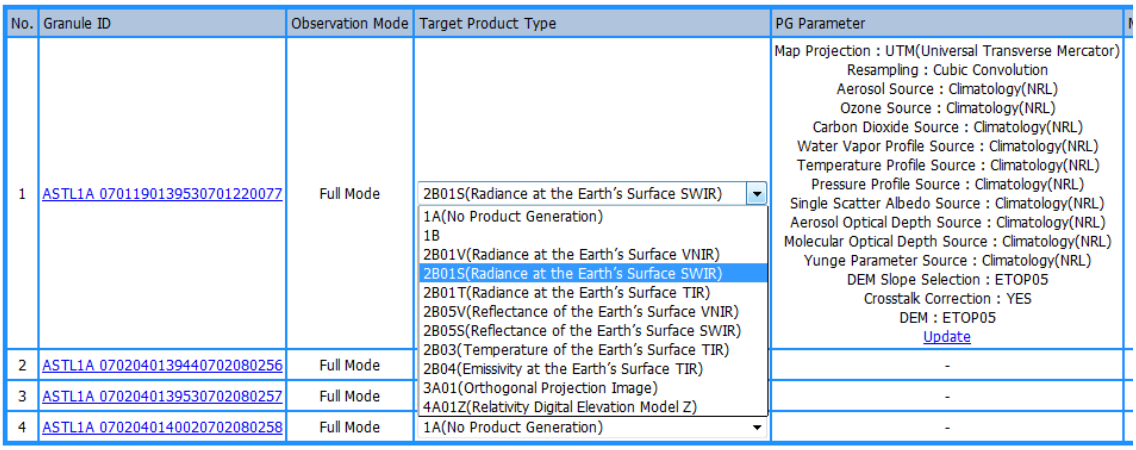


Fig. 2.8.3-8 Specify for 2B01S

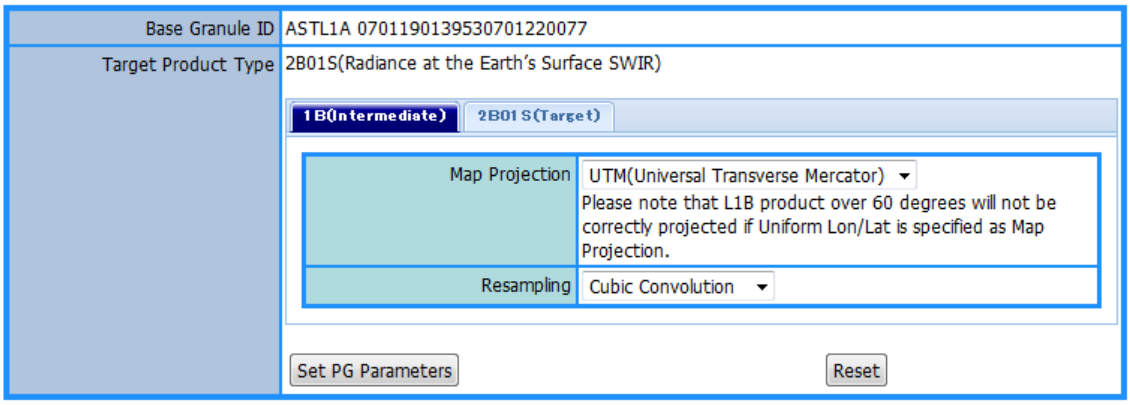


Fig. 2.8.3-9 [Product Generation Parameters] window for 2B01S Specified as a Target Product Type (PG Parameters for 1B, an Intermediate Product)

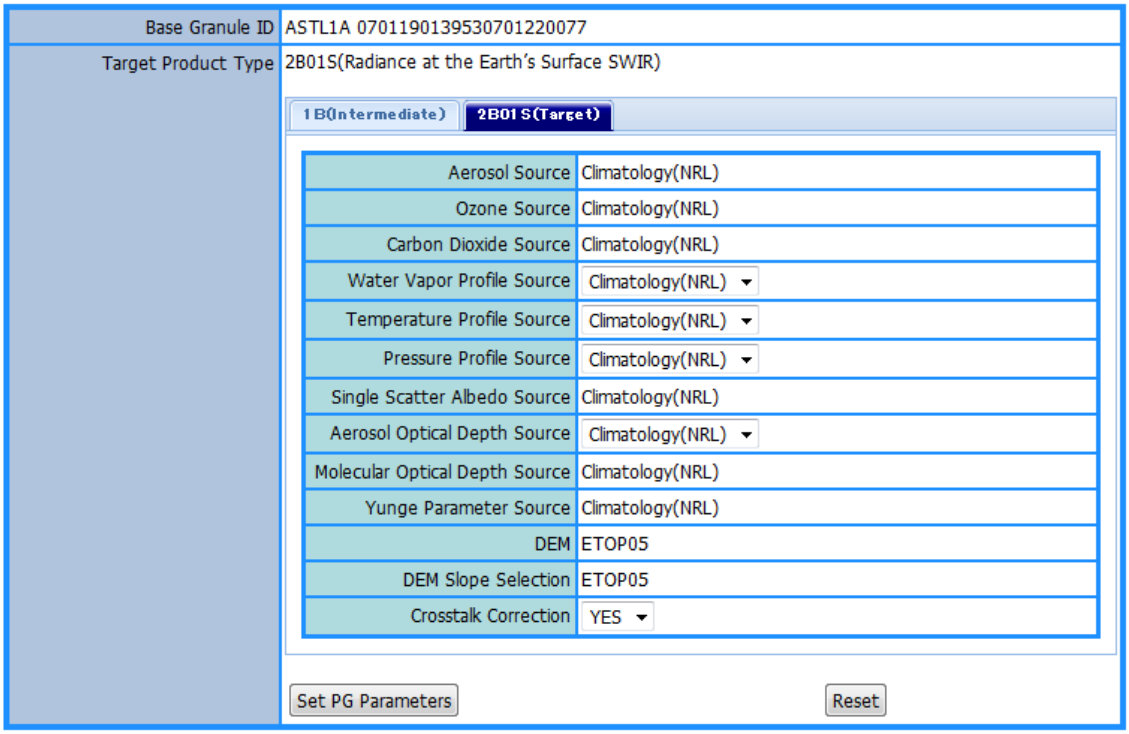


Fig. 2.8.3-10 [Product Generation Parameters] window for 2B01S Specified as a Target Product Type (PG Parameters for 2B01S, a Target Product)

Specify PG Parameter for 2B01S as a target product and 1B as an intermediate product respectively

e) Specify 2B01T

Select 2B01T (Radiance at the Earth's surface TIR). PG parameters (default value) are set in the [PG Parameter] field.

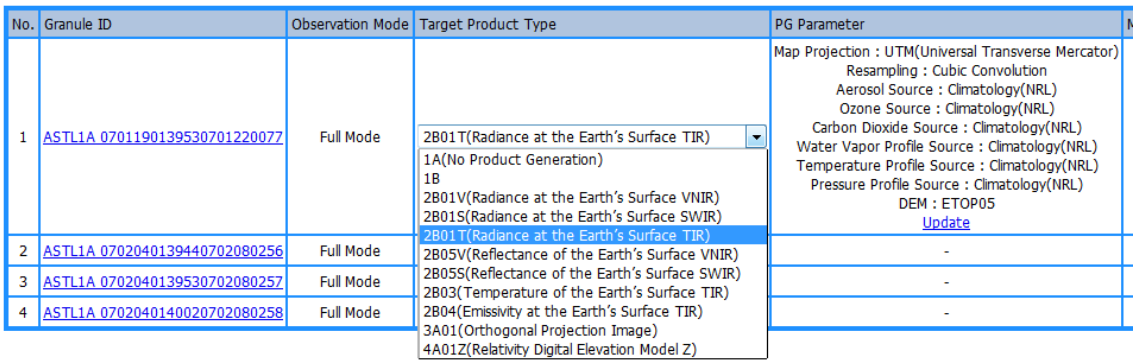


Fig. 2.8.3-11 Specify 2B01T

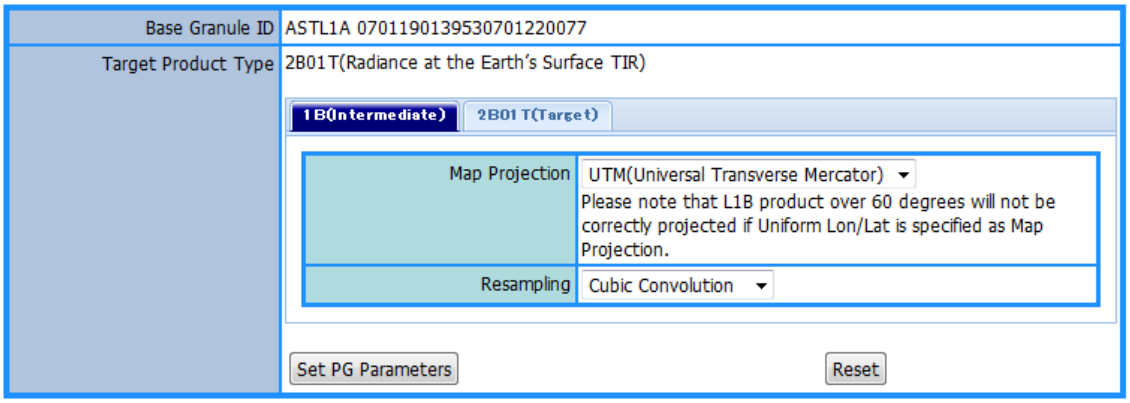


Fig. 2.8.3-12 [Prodcut Generation Parameters] window for 2B01T Specified as a Target Product Type (PG Parameters for 1B, an Intermediate Product)

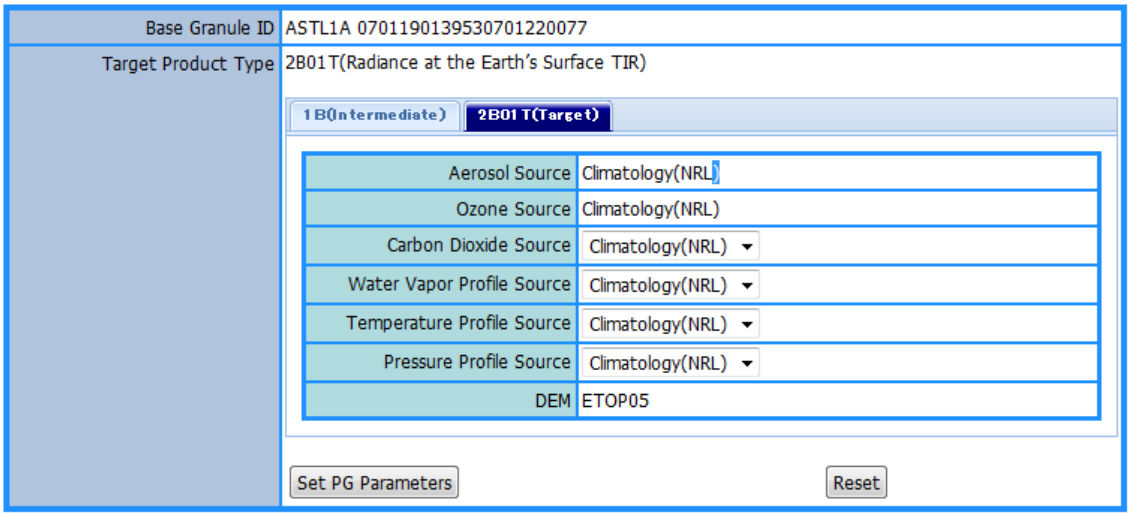


Fig. 2.8.3-13 [Product Generation Parameters] window for 2B01T Specified as Target Product (PG Parameters for 2B01T, a Target Product)

Specify PG Parameter for 2B01T as a target product and 1B as an intermediate product respectively.

f) Specify 2B03

Select 2B03 (Temperature of the Earth's surface TIR). PG parameters (default value) are set in the [PG Parameter] field.

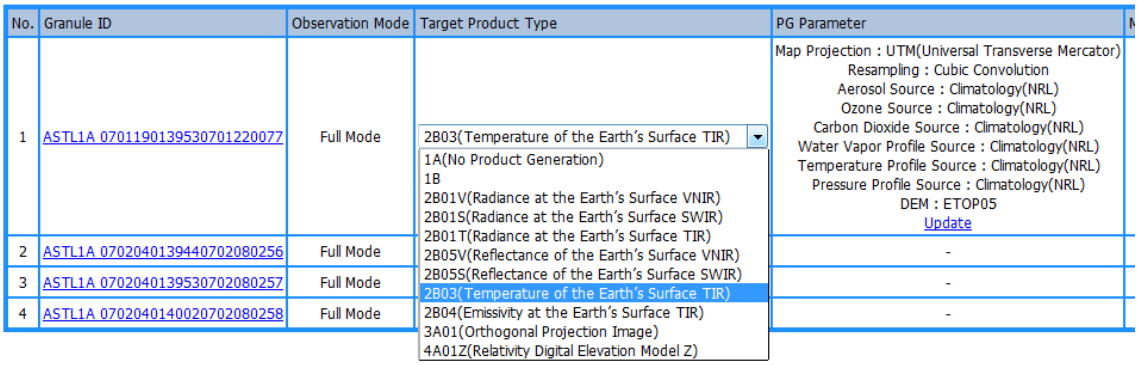


Fig. 2.8.3-14 Specify 2B03

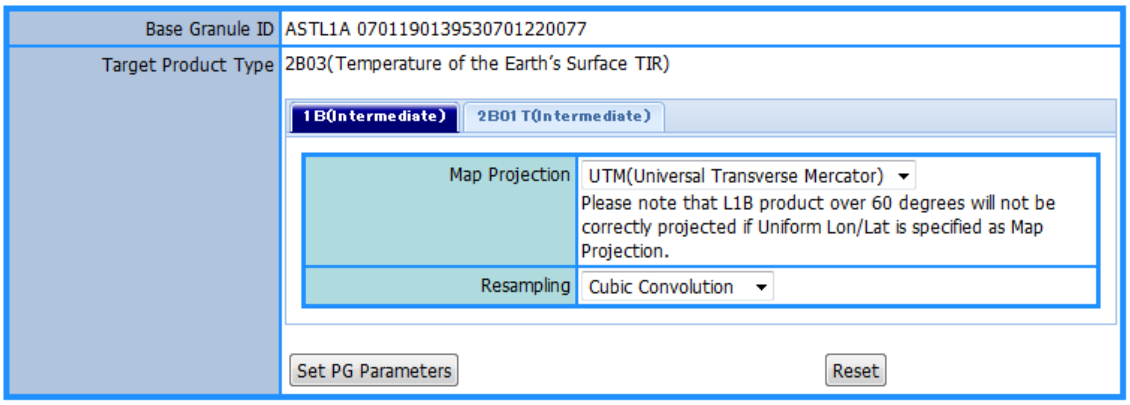


Fig. 2.8.3-15 [Product Generation Parameters]window for 2B03
Specified as a Target Product Type
(PG Parameters for 1B, an Intermediate Product)

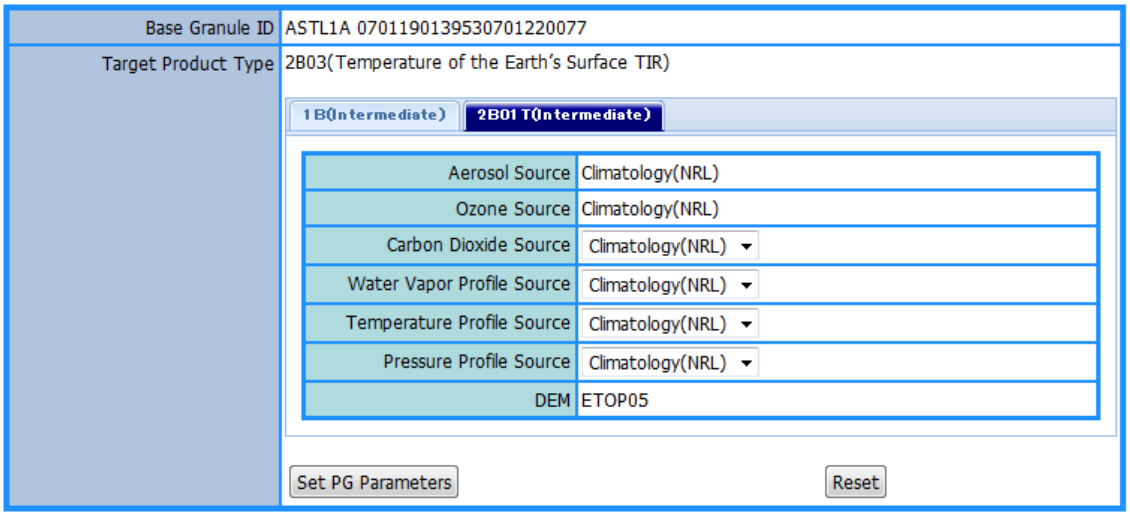


Fig. 2.8.3-16 [Prodcut Generation Parameters] window for 2B03
Specified as a Target Product Type

(PG Parameters for 2B01T, an Intermediate Product)

Specify PG Parameter for 2B04 as a target product and 1B as an intermediate product respectively.

g) Specify 2B04

Select 2B04 (Emissivity at the Earth's Surface TIR). PG parameters (default value) are set in the [PG Parameter] field.

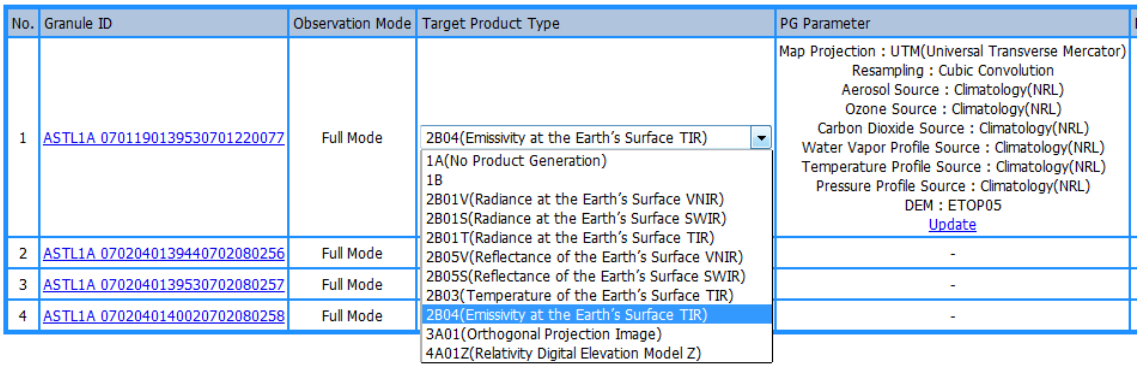


Fig. 2.8.3-17 Specify 2B04

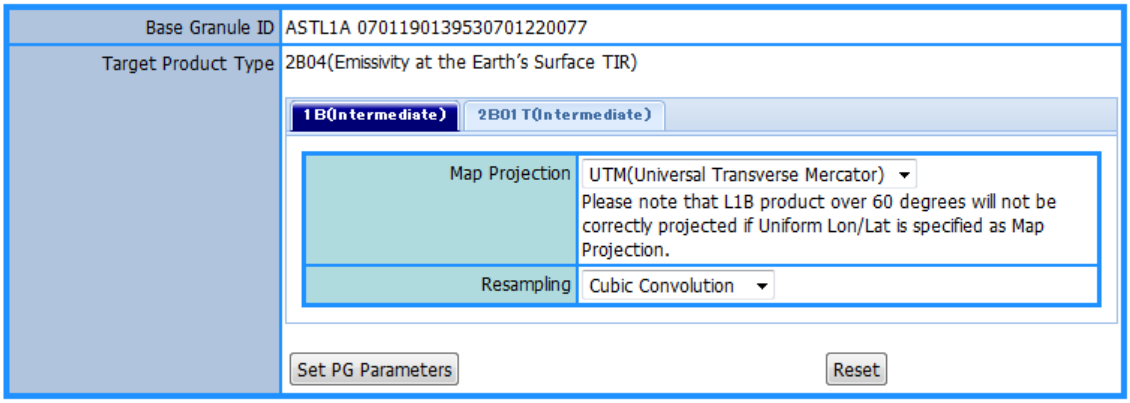


Fig. 2.8.3-18 [Product Generation Parameters] window for 2B04 Specified as a Target Product Type

(PG Parameters for 1B , an Intermediate Product)

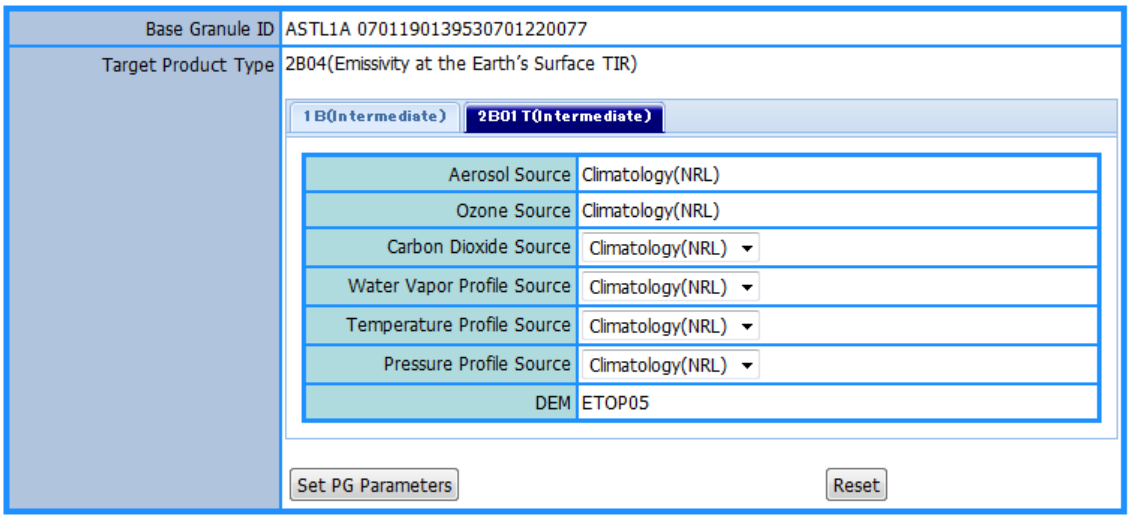


Fig. 2.8.3-19 [Product Generation Parameters] window for 2B04 Specified as a Target Product Type (PG Parameteres for 2B01T, an Intermadiate Product)

Specify PG Parameter for 2B01T as a target product and 1B as an intermediate product respectively. There is no PG parameter specification.

h) Specify 2B05V

Select 2B05V (Reflectance of the Earth's Surface VNIR). PG parameters (default value) are set in the [PG Parameter] field.

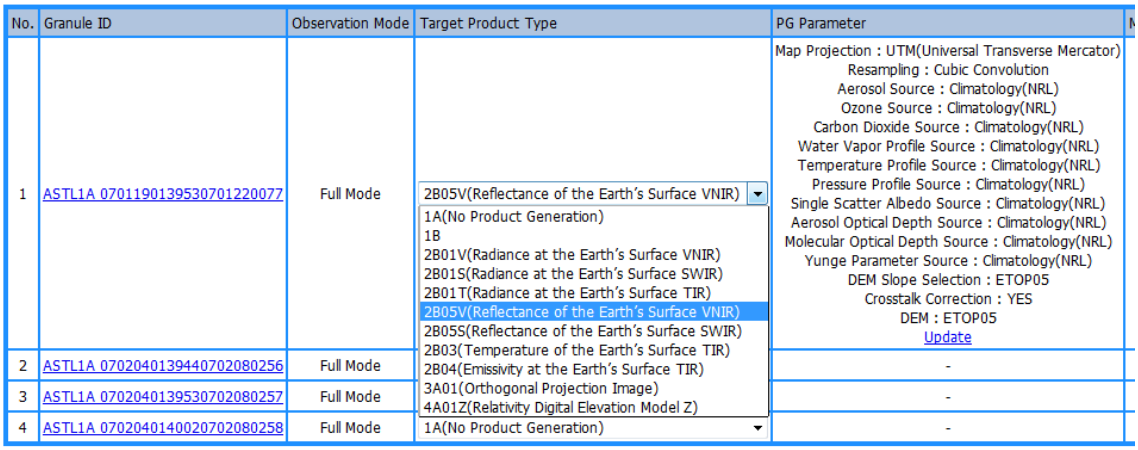


Fig. 2.8.3-20 Specify 2B05V

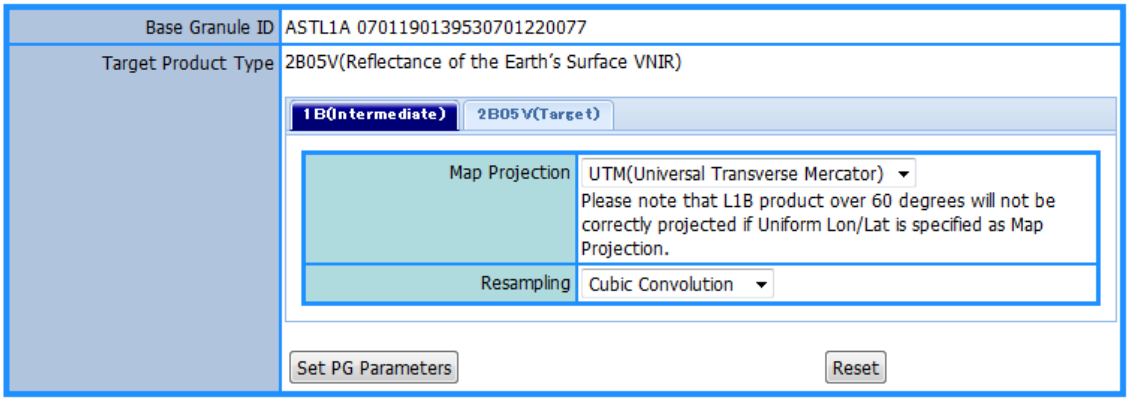


Fig. 2.8.3-21 [Product Generation Parameters] window for 2B05V Specified as a Target Product Type (PG Parameters for 1B, an Intermediate Product)

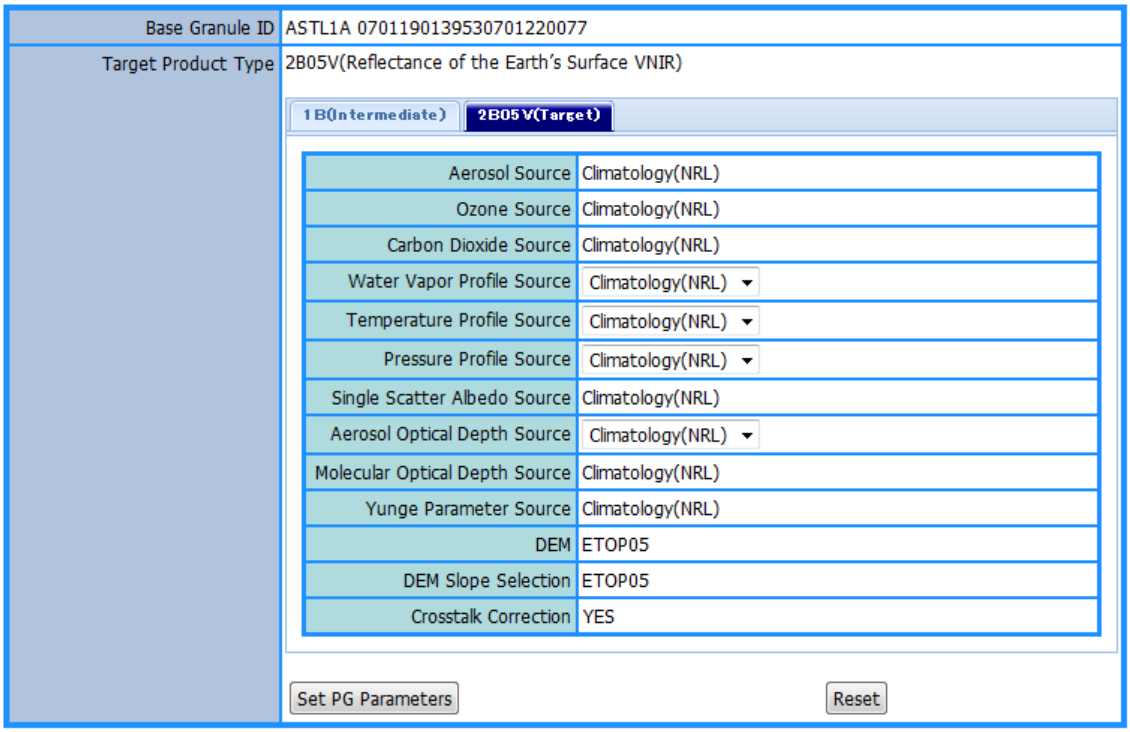


Fig. 2.8.3-22 [Product Generation Parameters] window for 2B05V Specified as a Target Product Type (PG Parameters for 2B05V, a Target Product)

Specify PG Parameter for 2B05V as a target product and 1B as an intermediate product respectively.

i) Specify 2B05S

Select 2B05S (Reflectance of the Earth's Surface VNIR). PG parameters (default value) are set in the [PG Parameter] field.

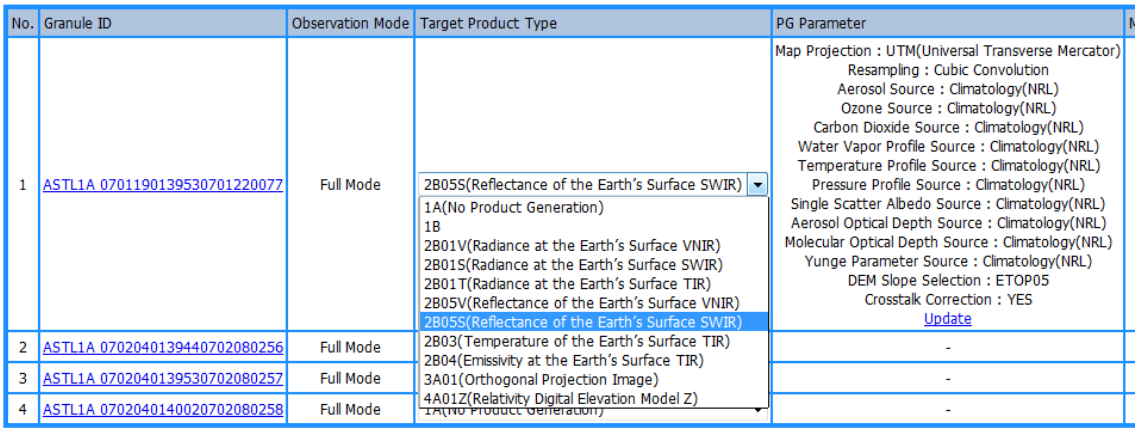


Fig. 2.8.3-23 Specify 2B05S

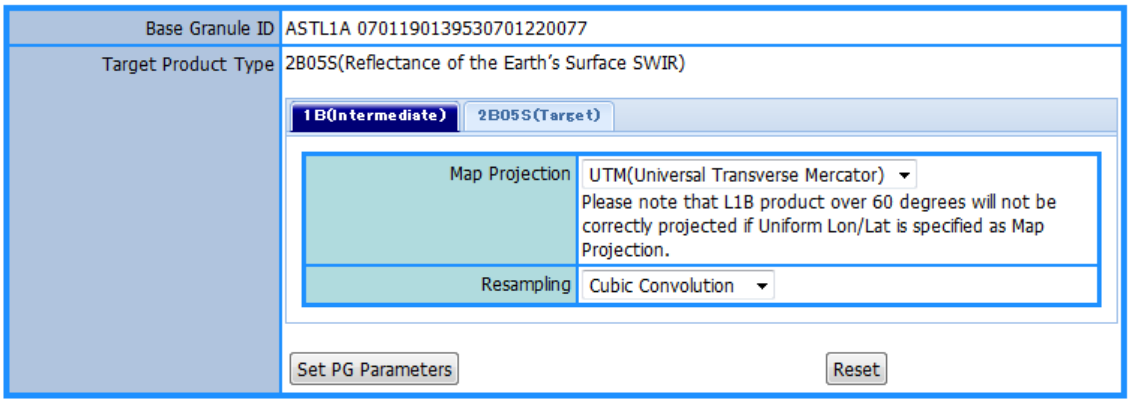


Fig. 2.8.3-24 [Product Generation Parameters] window for 2B05S Specified as a Target Product Type (PG Parameters for 1B, an Intermediate Product)

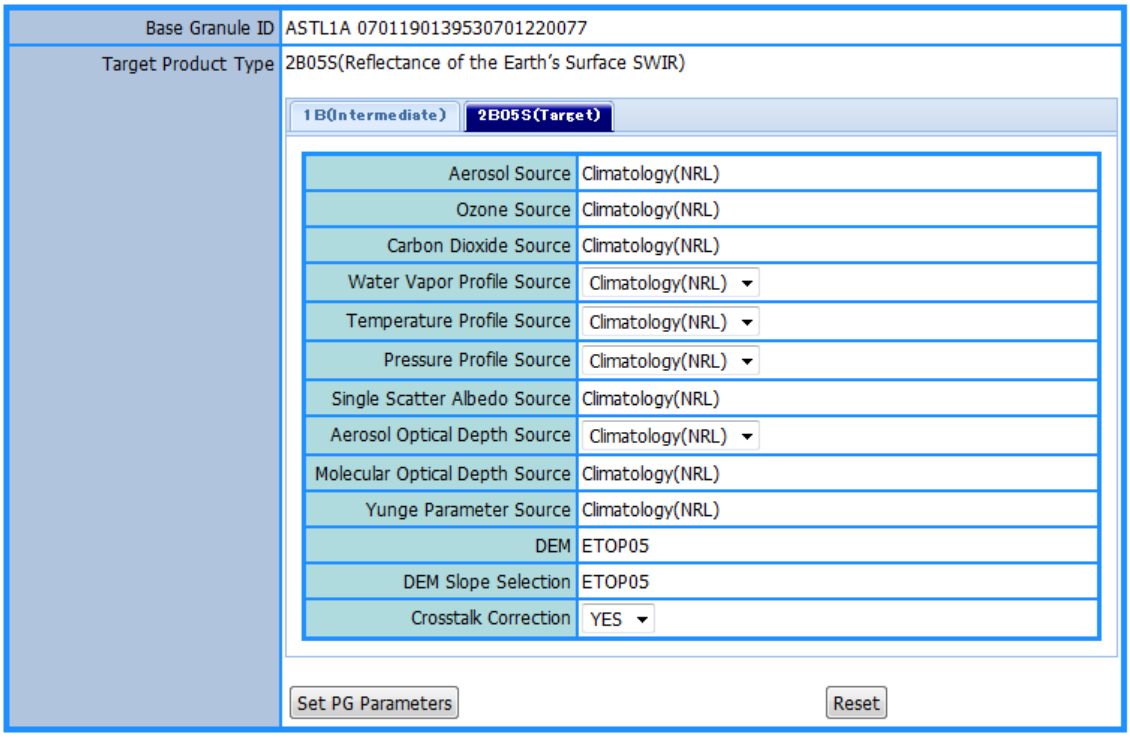


Fig. 2.8.3-25 [Product Generation Parameters] window for 2B05S Specified as a Target Product Type (PG Parameters for 2B05S, a Target Product)

Specify PG Parameter for 2B05S as a target product and 1B as an intermediate product respectively.

j) Specify 3A01

Select 3A01 (Orthogonal Projection Image). PG parameters (default value) are set in the [PG Parameter] field.

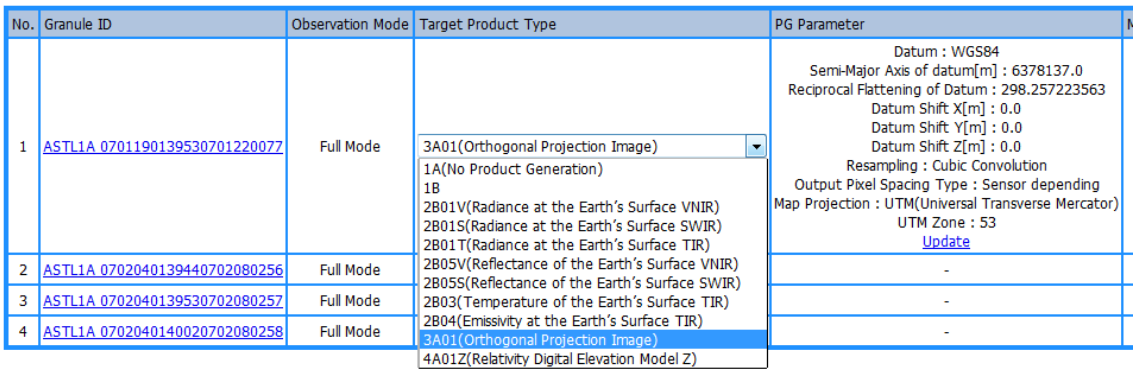


Fig. 2.8.3-26 Specify 3A01

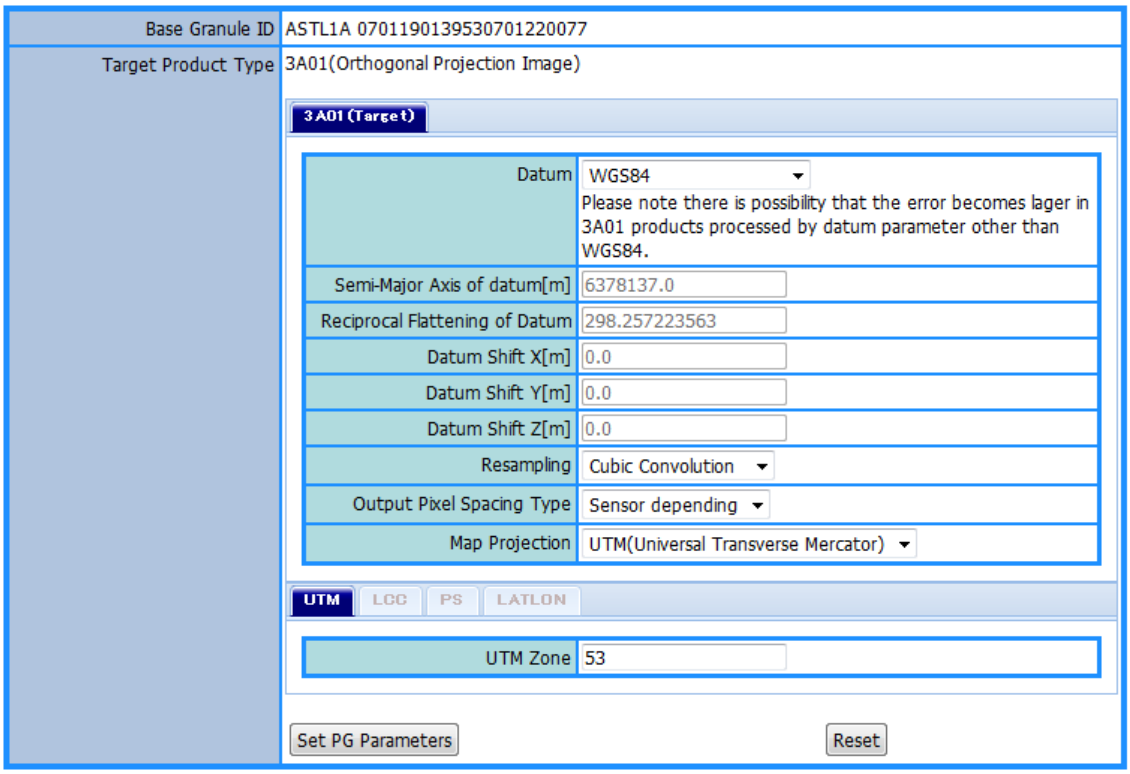


Fig. 2.8.3-27 [Product Generation Parameters] window for 3A01 Specified as a Target Product Type

Specify PG Parameter for 3A01 as a target product.

k) Specify 4A01Z

Select 4A01Z (Relativity Digital Elevation Model Z). PG parameters (default value) are set in the [PG Parameter] field.

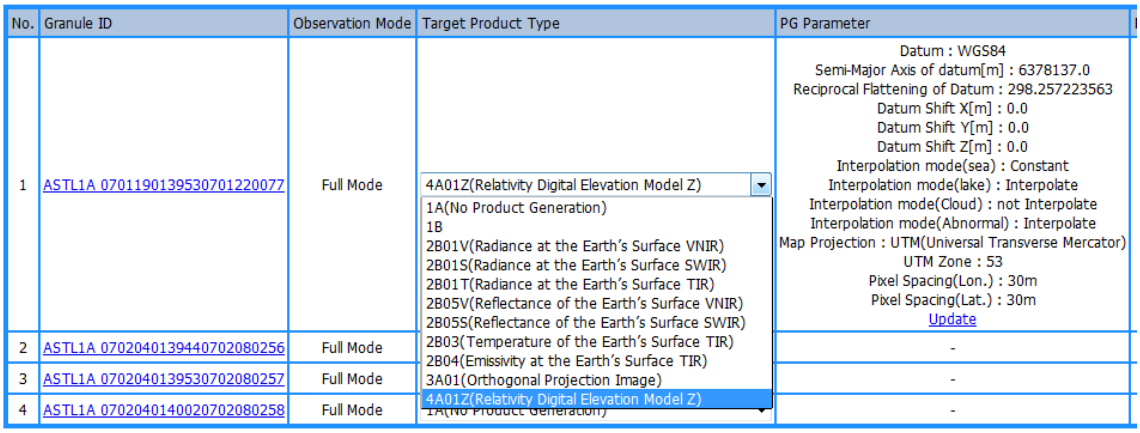


Fig. 2.8.3-28 Specify 4A01Z

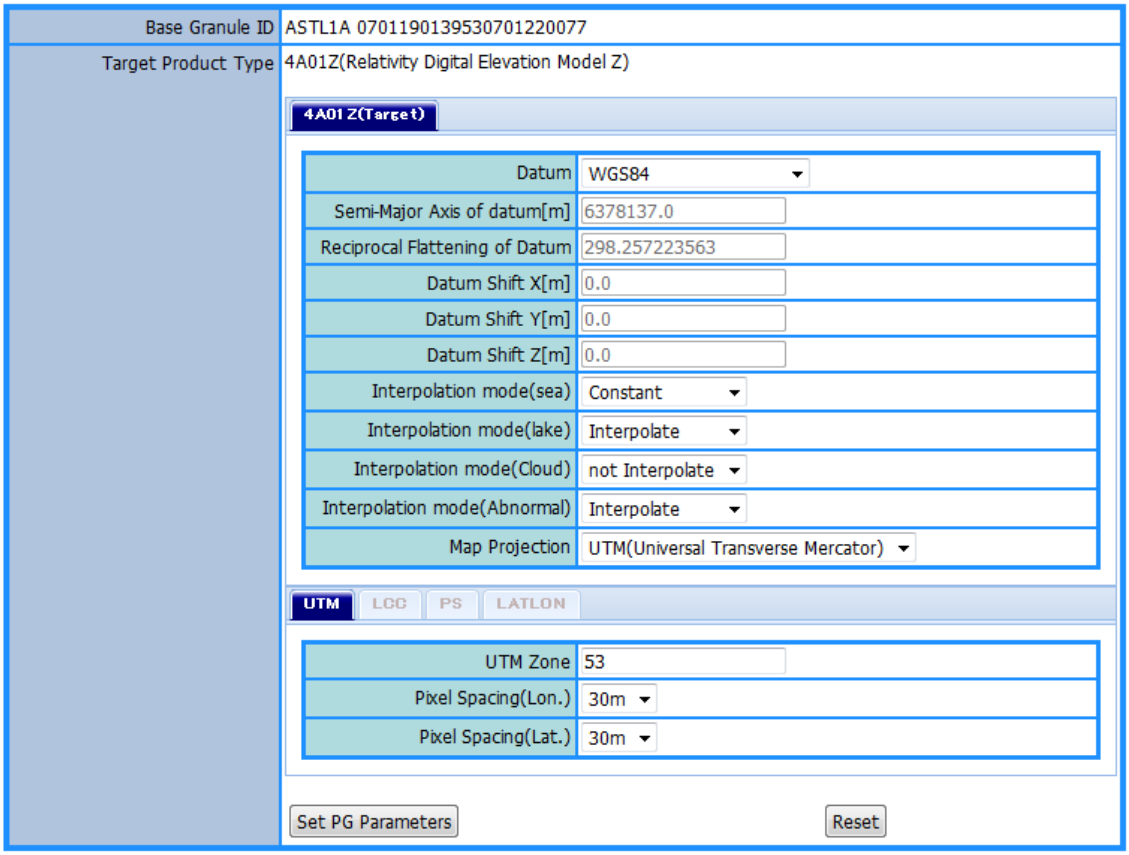


Fig. 2.8.3-29 [Product Generation Parameters] window for 4A01Z Specified as [Target Porduct Type]

Specify PG Parameter for 4A01Z as a target product.

2.8.4. Specify Delivery Sensor

Specification of [Delivery Sensor] is available only for 1A and 1B selected as target products of ASTER data products. .

Click [Update] in the [Delivery Sensor] field. [Delivery Sensor] window appears.

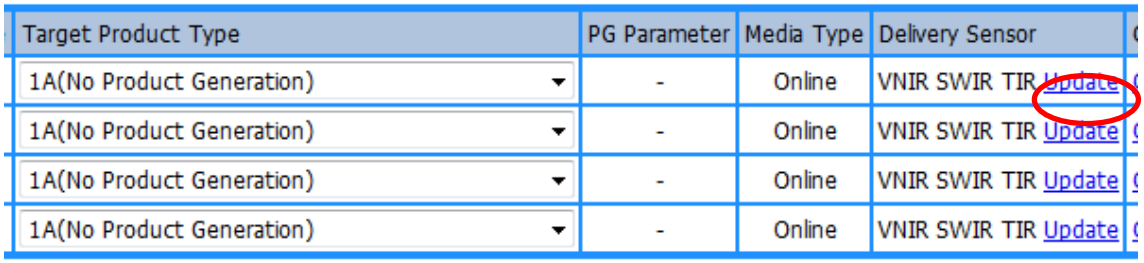


Fig. 2.8.4-1 Specify [Delivery Sensor]

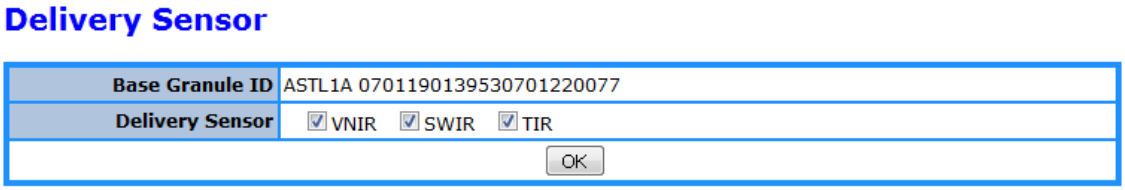


Fig. 2.8.4-2 [Delivery Sendor] window

Click one or more check box from [VNIR], [SWIR] and [TIR] in the [Delivery Sensor] field as delivery sensor(s). Determine selected delivery sensor(s) by clicking [OK]. The [Cart] window appears again. [Delivery Sensor] field displays selected delivery sensor(s).

Selection of [Delivery Sensor] for ASTER data products is not available except 1A and 1B. [Update] link is not displayed in the [Delivery Sensor] field.

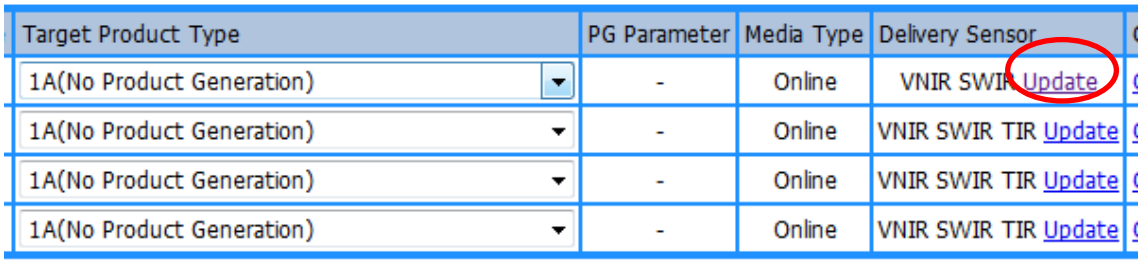


Fig. 2.8.4-3 Case of Specifying VNIR and SWIR as [Delivery Sensor]

2.8.5. Copy Product Processing Parameters and Media Type

Copy is available for the product that the combination of Target Product Type, PG Parameter and Media Type.

Click the [Copy] link in the [Copy] field of source product in product list on [Product Order] window. The [Select Copy] window appears as below.

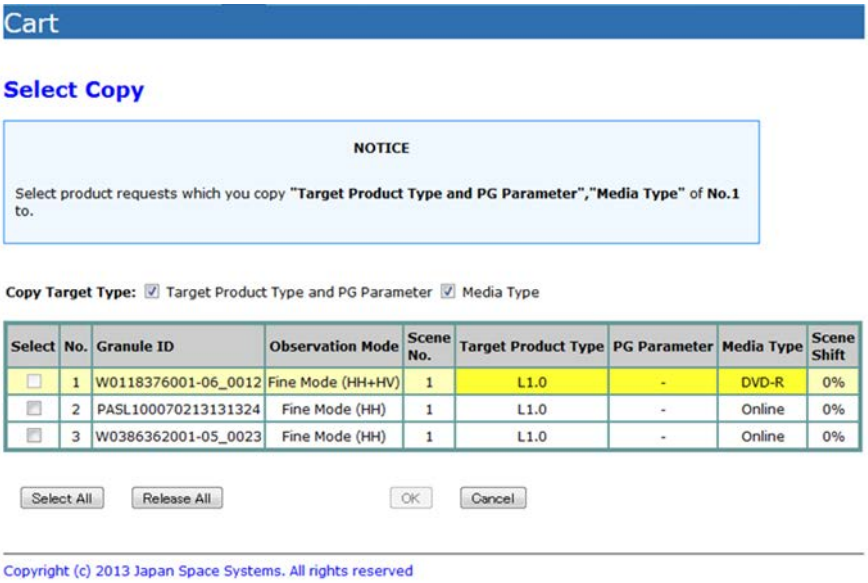


Fig. 2.8.5-1 [Select Copy] window

Select [Copy Target Type]. Check the item of [Target Product Type and PG Parameter], or [Media Type] subject to a copy. The [Select] field for copiable product appears. Check in the checkbox for the product subject to a copy. Click [Select All] to check all the boxes; to reset them, click [Release All].

Check the product subject to a copy. Click [OK] to set copy for the selected [Copy Target Type] condition to the product checked at [Select Copy] and [Product Order]. Click [Cancel], to cancel the selected [Copy Target Type] condition. The [Product Order] window appears again.

2.8.6. Delete Product Order

To delete a product order from product list, click the [Delete] link in the [Delete] field.

2.8.7. Empty a Cart

To empty a cart, click [Empty Your Cart] in the lower part of product list. When the dialog

[Are you sure to empty your cart?] appears, click the [OK] button to empty your cart. Click the [Cancel] button to cancel empty your cart.

2.8.8. Display Expected Day of Completion and Cost Estimate

Click the [Quotation & Shipping Estimate] button in the [Cart] window. The [Quotation & Shipping Estimate] window appears. Confirm the shipping estimate and total quotation of ordered products.

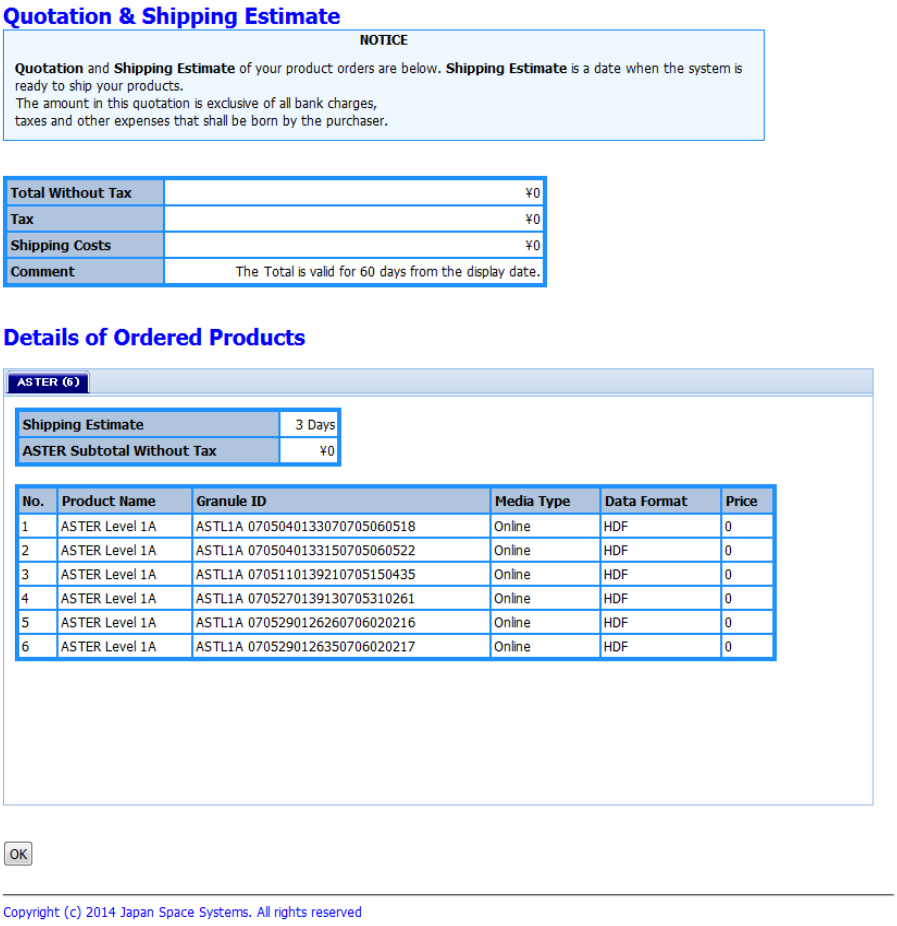
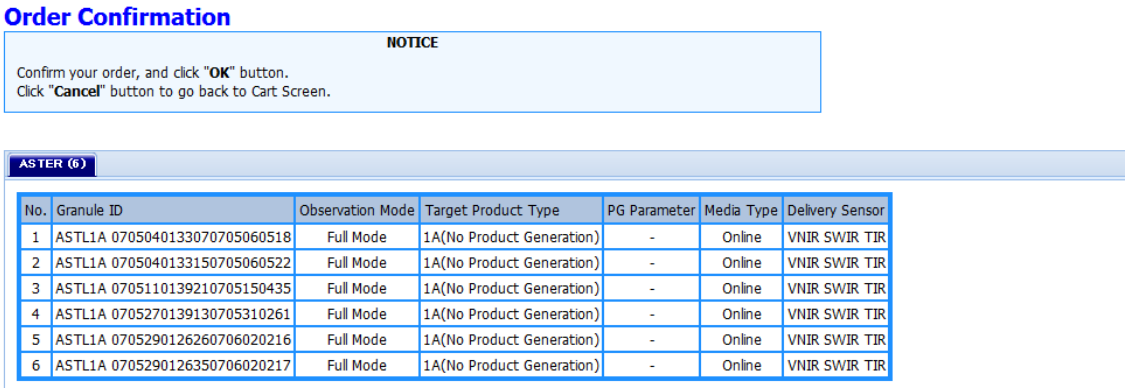


Fig. 2.8.8-1 [Quotation & Shipping Estimate] window

Click the [OK] button to close the window .

2.8.9. Order Products

Click the [Submit DPR] button in the [Product Order] window. Confirm the ordered data products.



No.	Granule ID	Observation Mode	Target Product Type	PG Parameter	Media Type	Delivery Sensor
1	ASTL1A 0705040133070705060518	Full Mode	1A(No Product Generation)	-	Online	VNIR SWIR TIR
2	ASTL1A 0705040133150705060522	Full Mode	1A(No Product Generation)	-	Online	VNIR SWIR TIR
3	ASTL1A 0705110139210705150435	Full Mode	1A(No Product Generation)	-	Online	VNIR SWIR TIR
4	ASTL1A 0705270139130705310261	Full Mode	1A(No Product Generation)	-	Online	VNIR SWIR TIR
5	ASTL1A 0705290126260706020216	Full Mode	1A(No Product Generation)	-	Online	VNIR SWIR TIR
6	ASTL1A 0705290126350706020217	Full Mode	1A(No Product Generation)	-	Online	VNIR SWIR TIR

Fig. 2.8.9-1 [Order Confirmation] window

Click [OK] if there is no problem in your order. The order is determined and the [Select Payment Method] window appears. To modify product order, click [Cancel]. The [Product Order] window appears again and you can modify product order.

2.8.10. Select Field of Product

Click [OK] in the [Order Confirmation] window. The [Field of Product] window appears. Select utilization purpose of the data to order for the [Field of Product] list.

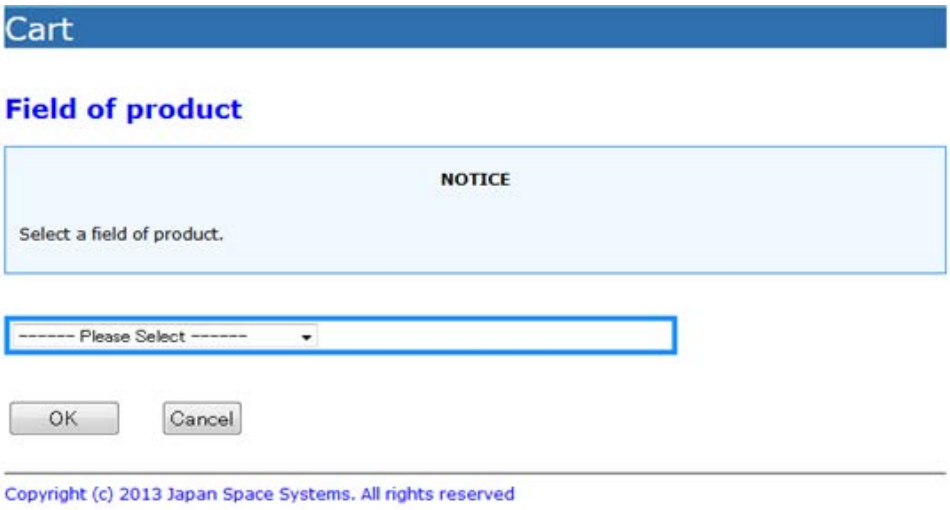


Fig. 2.8.10-1 [Field of product] window

Select a field of product of data to order from the following list. Selecting a field of product is essential.

Table 2.8.10-1 List of [Field of product]

No.	Content	No.	Content
1	Resource (Oil/Mineral)/Energy	11	Civil Engineering
2	Science	12	Manufacturing
3	Education	13	Software
4	Disaster Prevention	14	Remote Sensing/GIS/Applications
5	Environment	15	Telecommunication
6	Ocean	16	Mass Media
7	Meteorology	17	Finance/Insurance
8	Forestry	18	Medical/Health
9	Agriculture	19	Pleasure/Trips
10	Fishery	20	Others

Select one from the [Field of product] list. Click the [OK] button. Selected societal benefit area is determined. To cancel the selected field of product, click [Cancel] button. [Product order] window appears.

2.8.11. Select Payment Method

Click [OK] in the [Field of Product] window. The [Payment Method] window appears. Select payment method.

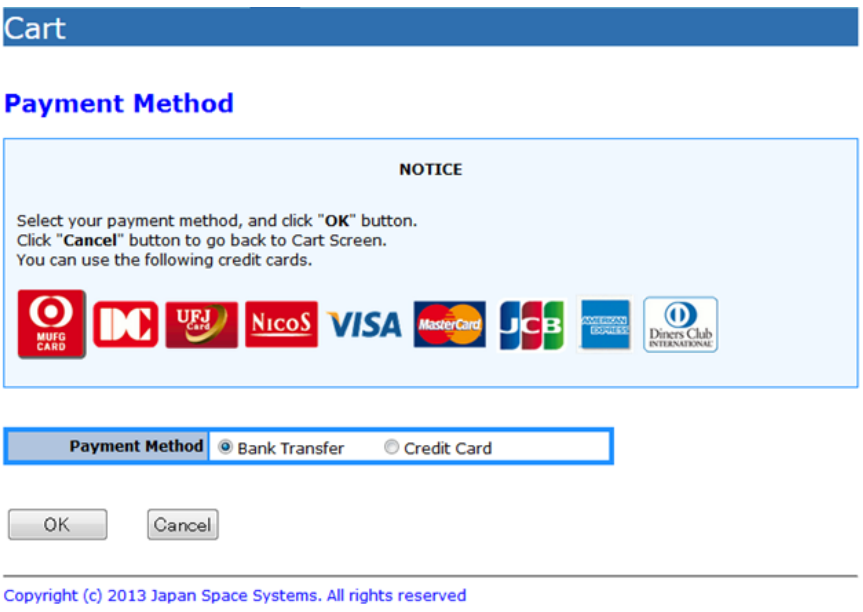


Fig. 2.8.11-1 [Payment Method] window

Select a payment method from [Bank Transfer] and [Credit Card].

In case of bank transfer, check [Bank Transfer] at [Payment Method]. Click the [OK] button to order DPR. [Product Order Complete] appears, and it is completed.

Select [Credit Card] and click the [OK] button to pay with your credit card. Click [Credit Card Payment Form] button to open the payment window. Follow the instruction and complete your payment.

Click the [Cancel] button to cancel selected payment method.

ZEUS Co., Ltd. offers credit card settlement representation service. In payment window, follow the instruction and enter your credit card information. If there is no generation of product due to some kind of system failure, you are not charged. When procedure for your payment succeeds, User Service of ASTER GDS sends acceptance notice of your DPR by email. We strongly recommend you to check your User Profile before you order. You will never receive email from User Service as long as your email address is incorrect.

2.9. Data Product Request Status / Cancellation

2.9.1. Display DPR Status

Afer login to the user account of [ASTER Search], you can check your own DPR history in the [DPR Status] window. Click [DPR Status] in each window to check your DPRs.

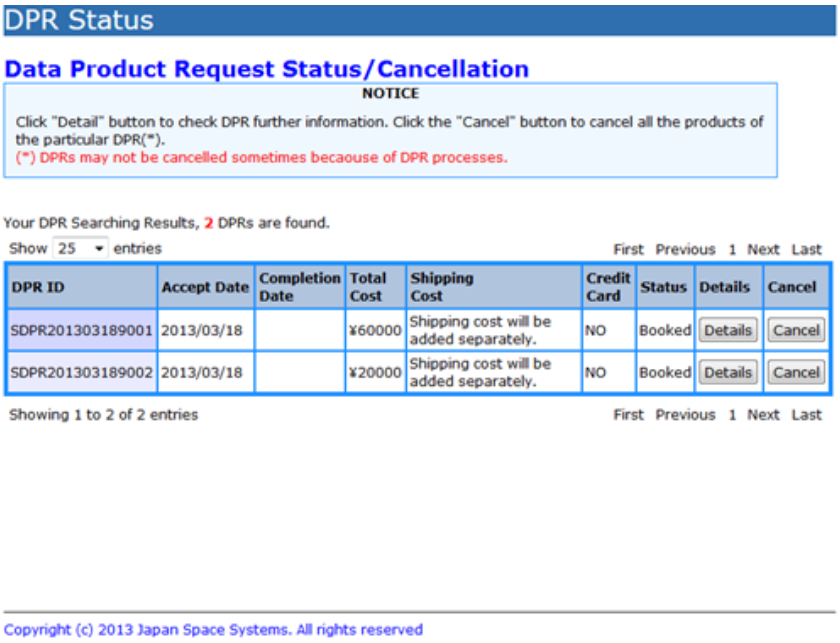


Fig. 2.9.1-1 [Data Product Request Status / Cancellation] window

In [DPR Status], you can check your own DPR status including processing. Change the number of entries in the list by pull-down menu of the [Show ** Entries] field in the upper left of the list. In case there are DPRs more than selected, list splits into multiple pages. To switch a page, click the links in the upper right and bottom right of product list. By clicking page number, DPR list on the clicked page is displayed. Also, by clicking [Previous] or [Next], the current page jumps to its previous page or its next page. To jump to first page or last page, click [First] or [Last].

You can check the detailed information of each DPR by clicking the [Details] button in the list.It is possible to cancel DPRs from the list if it is berore payment; DPR status is [Booked] in the [Status] field. You cannot cancel DPR in other status.

This service is available only for DPR ordered at [ASTER Search].

2.9.2. Refer to Detailed DPR Information

Click [Details] in the [Details] field to check detailed information of your DPRs.

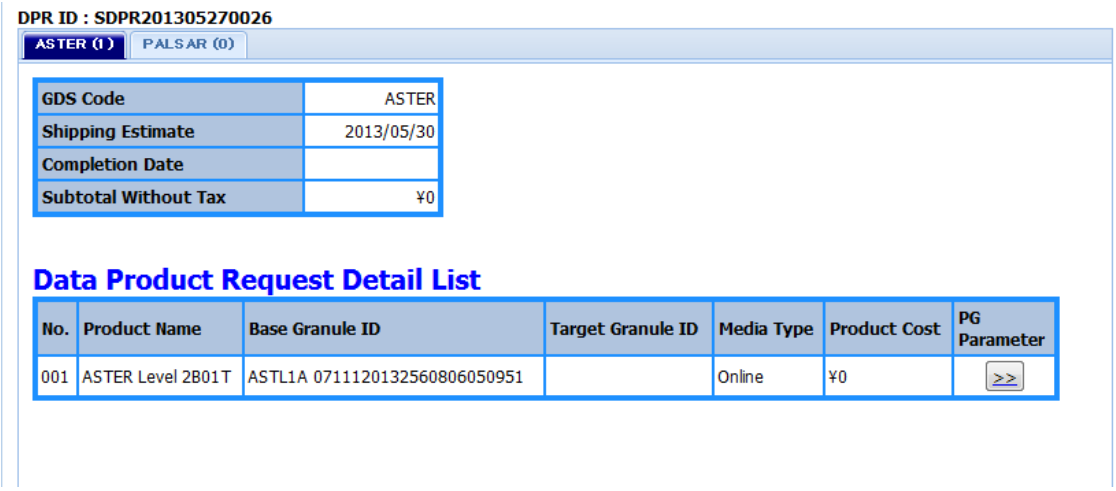


Fig. 2.9.1-1 DPR Status window

The [DPR Product Request Detail Status] window shows detailed information of DPR you selected in [DPR Status] window: [Product Name], [Base Granule ID], [Target Granule ID], and [Product Price]. Click [>>] button in the [PG Parameter] field in DPR detail list. The [PG Parameters Details] window appears and you can confirm the contents of PG parameters specified at the time of order. In case you didn't specify parameters when ordering, [NO] is displayed in the [PG Parameter] field.

2.9.3. Refer to Product Generation Parameter

Click the [>>] button in the [Product Generation Parameter] field of DPR details list in the [DPR Details] window to check parameters of each product of DPR.

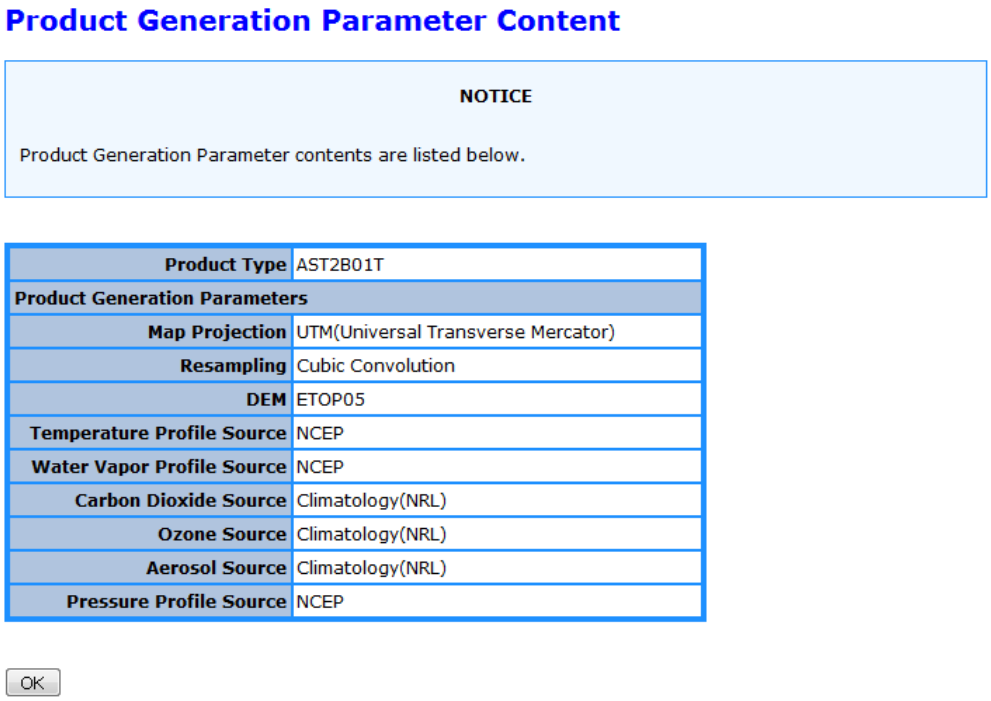


Fig. 2.9.3-1 [Product Generation Parameter Content] window

You can confirm the content of Product Generation Parameters specified in the [Product Order] window .

To close this window, click [OK] button.

3. Operations on Map

Specify search area and confirm search result on the map.

3.1. Display Latitude and Longitude of Mouse Position

When you place mouse on the map, you can see the latitude and the longitude of its position in the right bottom of the map.

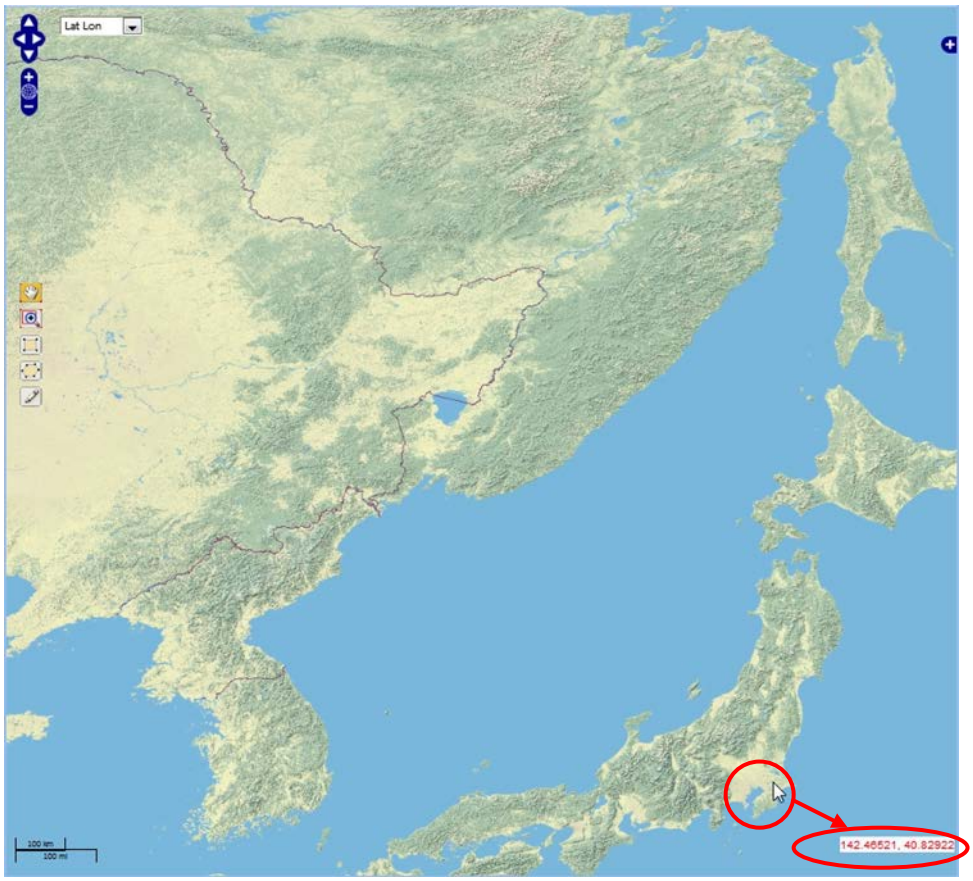


Fig. 0-1 Latitude and Longitude of the Mouse Position

3.2. Zoom-in and Zoom-out

The following functions are available to zoom-in and zoom-out the map

- ＋－buttons
- A mouse wheel
- A magnifier icon (for zoom-in only)
- Double-click on the map to zoom-in

[＋－Button]

To zoom in and out the displayed area with a central focus on the area, click [+] and [-] buttons in the upper left of the map. Click the globe icon between [+] and [-] buttons. The map shows the whole world.

[Mouse Wheel]

To zoom in the map with a central focus on current mouse cursor position, scroll mouse upward. To zoom out, scroll downward.

[Magnifier Icon]

You can zoom in specified area by magnifier Icon. Click the icon circled in red in the middle of left side of the map area.Rectangle appears by holding the left mouse button down and dragging in the area on the map.Circle the target area with the rectangle and release the mouse button.

This function is available for zoom-in only.

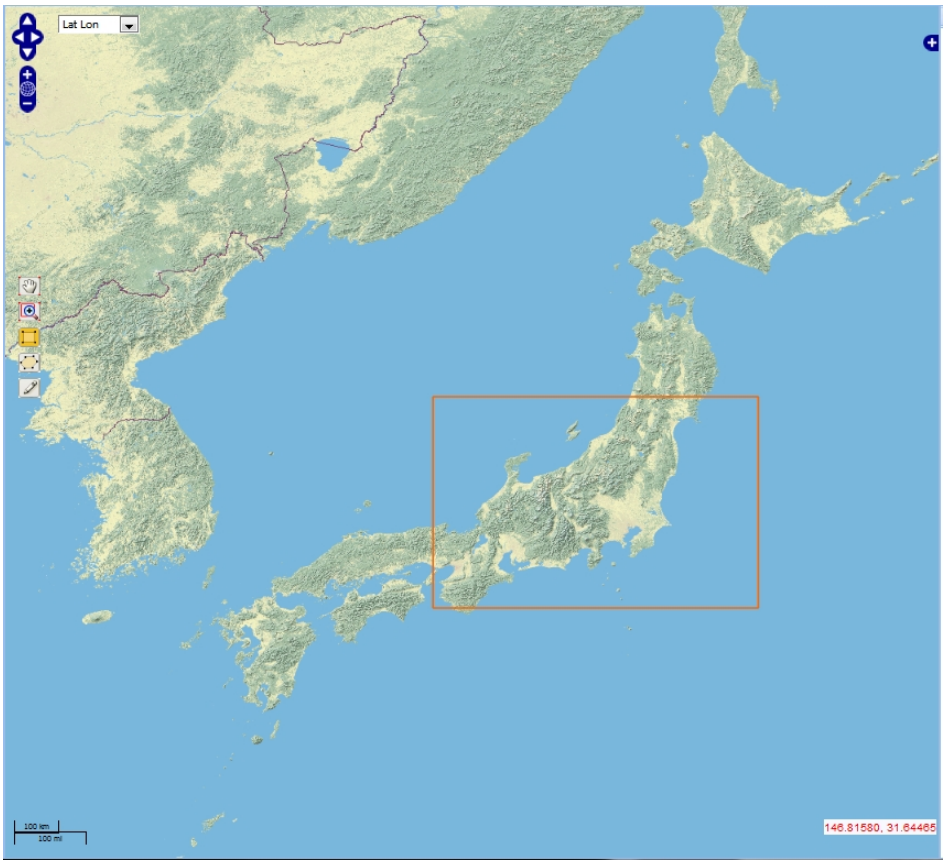


Fig. 3.2-1 Specify an Area to Zoom-in by Magnifier Icon

[Double-click on the Map]

Double-click a mouse on the map to zoom in with a focus on mouse cursor position.

3.3. Move Area on the Map

Click the following icons to move area on the map.

- Arrow Buttons
- Palm Icon

[Arrow Buttons]

Click the arrows of right, left, up and down in the upper left of the map to move area.

[Palm Icon]

Palm Icon can move displayed area by dragging mouse on the map. Click the palm icon in the middle of left side on the map area and drag mouse.

3.4. Select Map Projection

Select a map projection. There is a combo-box to show available map projections on top of the map. Select a map projection from this combo box to change the map projection.

- Lat Lon：Uniform Lon/Lat（EPSG:4326）
- North Pole：Polar Stereographic in North（EPSG: 32661）
- South Pole：Universal Polar Stereographic in South （EPSG: 32761）

Fig. 3.4-1 Example of the Map Display (Lat/Lon Is Selected)

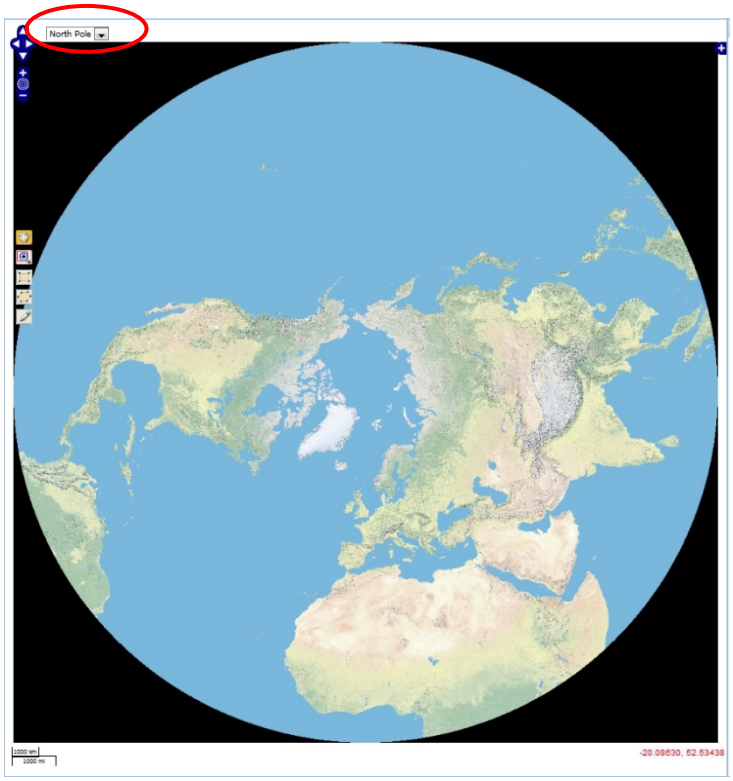


Fig. 3.4-2 Example of the Map Display (Poar Stereographic in North Is Selected)

Fig. 3.4-3 Example of the Map Display (Poar Stereographic in South Is Selected)

3.5. Specify Search Area in Rectangle

Click the icon in the middle of left side of the map to draw AOI in a rectangle.

Fig. 3.5-1 Specify AOI in a Rectangle

3.6. Specify Search Area in Polygon

Click the icon in the middle of left side of the map to draw a polygon as AOI on the map. Click the mouse to specify each vertex of the polygon . To finalize the polygon, double-click the mouse. The number of polygon's vertex must be between 3 and 1000.

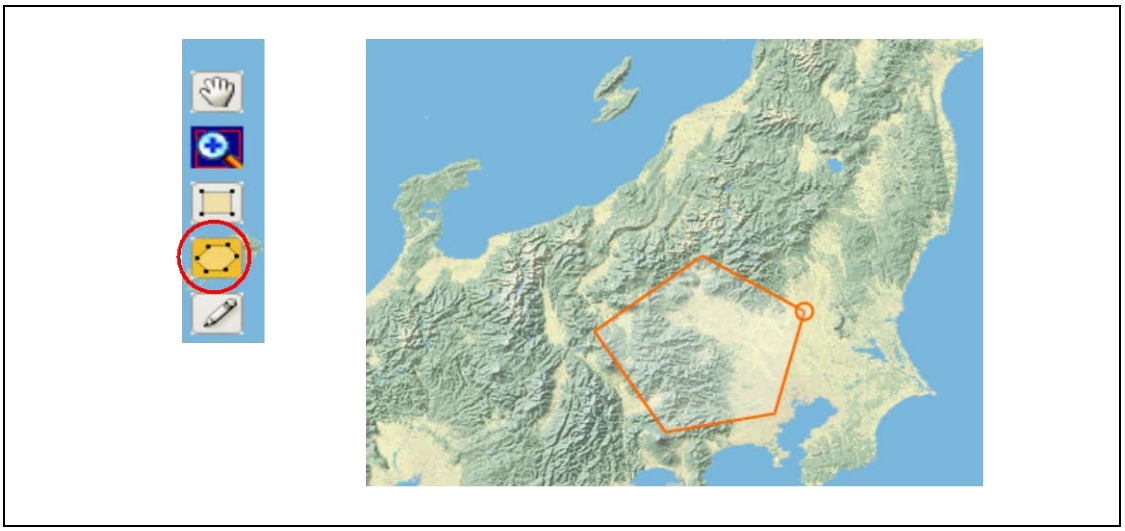


Fig. 3.6-1 AOI in a Polygon

Click the pencil icon to edit the polygon. Move a vertex (indicated in unfilled circle) with the mouse. To add vertex, move the point between two vertexes (indicated in filled circle) with the mouse.

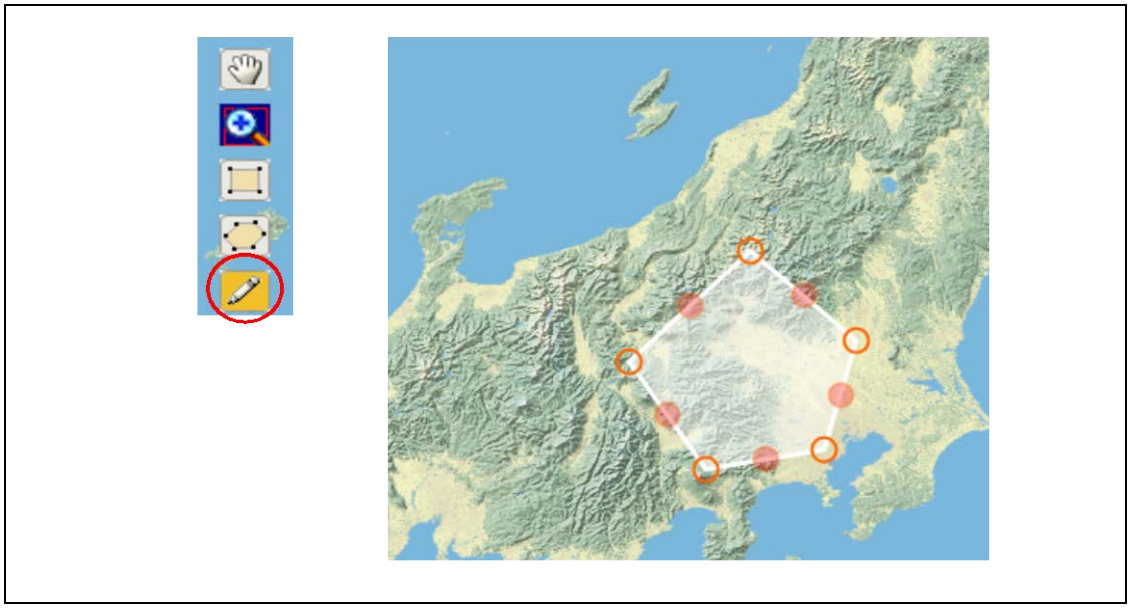


Fig. 3.6-2 Edit the Polygon

You cannot draw a polygon area across 180 degrees longitude. If you need, draw a polygon so as not to across 180 degrees. Edit verdexes or middle points between verdexes to draw a polygon area across 180 degrees longitude.

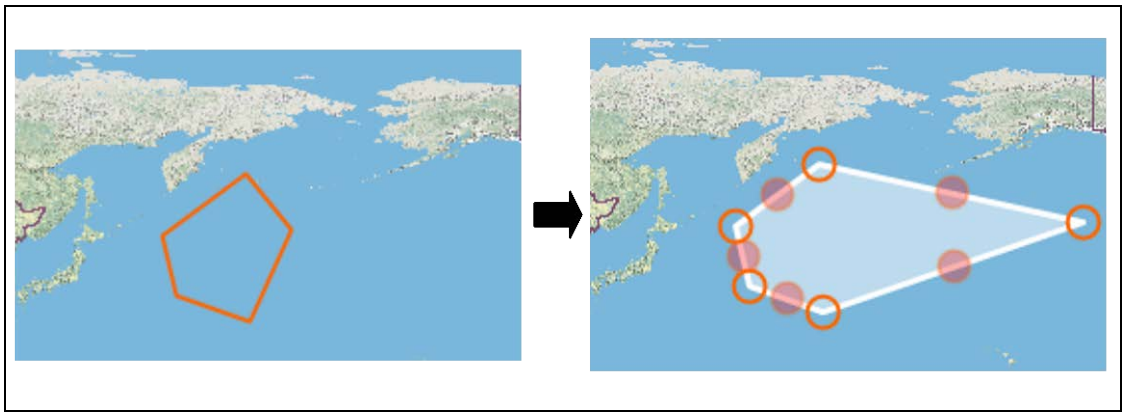


Fig. 3.6-3 Draw the Polygon Area across the 180 Degrees Longitude

3.7. Switch Layers

To switch layers, click the [+] mark and spread out the menu on the top right of the map.

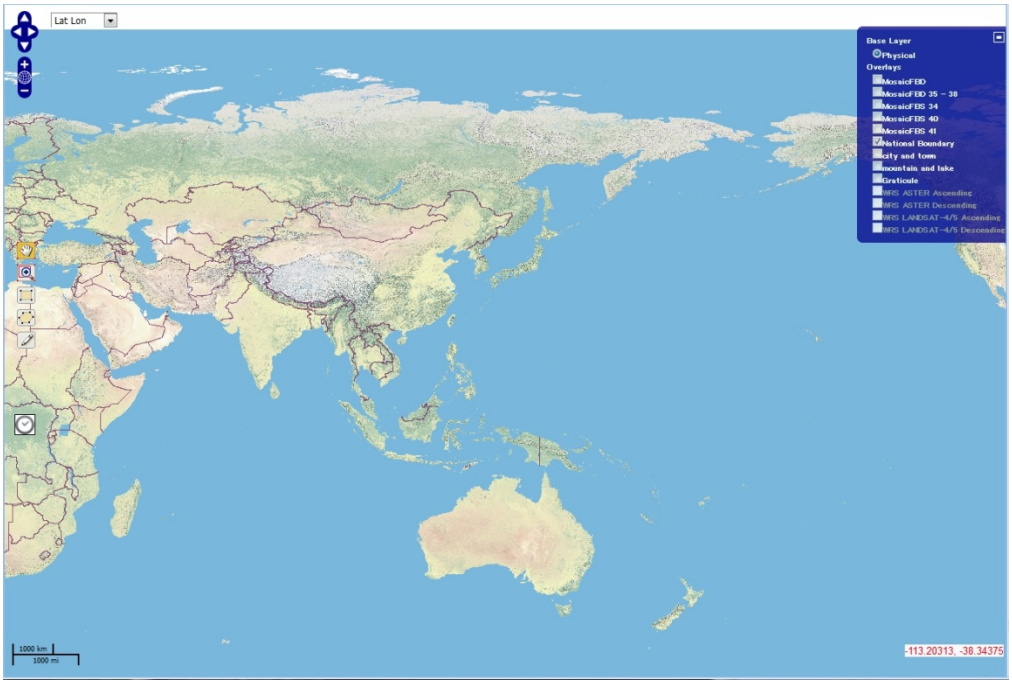


Fig. 3.7-1 Switch Layers

Layers which can be displayed on the map are as follows. Some layers are displayed during loggin only.

Table 3.7-1 Types of Layers

Layer type	Layer name	Condition to display	Description
Base Map	Physical	Always displayed [Display according to map projection] Lat Lon: Possible North Pole: Possible South Pole: Possible	Terrain Map
	ASTER GDEM	Always displaed. [Display according to map projection] Lat Lon: Possible North Pole: No South Pole: No	Terrain Map

Layer type	Layer name	Condition to display	Description
Mosaic Image	Some, such as MosaicFBD	Displayed during loggedin [Display according to map projection] Lat Lon: Possible North Pole: No South Pole: No	Mosaic Image
Geographical name	city and town	Always displayed at above a certain magnification rate [Display according to map projection] Lat Lone: Possible North Pole: No South Pole: No	Name of countries, capital cities, and cities
	mountain and lake	Always displayed at above a certain magnification rate [Display according to map projection]] Lat Lon: Possible North Pole: No South Pole: No	Name of mountains and lakes
Vector Layer	National Boundary	Always displayed [Display according to map projection]] Lat Lon: Possible North Pole: No South Pole: No	National Borders

Layer type	Layer name	Condition to display	Description
	Graticule	Always displayed [Display according to map projection]] Lat Lon: Possible North Pole: Possible South Pole: Possible	Latitude and longitude lines grid lines
	WRS ASTER Ascending	Always displayed at above a certain magnification rate Lat Lon: Possible North Pole: Possible South Pole: Possible	ASTER's nadir scene boundary observed from nominal ascending orbit
	WRS ASTER Descending	Always displayed at above a certain magnification rate Lat Lon: Possible North Pole: Possible South Pole: Possible	ASTER's nadir scene boundary observed from nominal descending orbit
	WRS LANDSAT-4/5 Ascending	Always displayed at above a certain magnification rate Lat Lon: Possible North Pole: Possible South Pole: Possible	LANDSAT's nadir scene boundary observed from nominal ascending orbit
	WRS LANDSAT-4/5 Dicscending	Always displayed at above a certain magnification rate Lat Lon: Possible North Pole: Possible South Pole: Possible	LANDSAT's nadir scene boundary observed from nominal descending orbit

[Display/Hide Mosaic Image]

When selecting a layer, check a name of Mosaic image such as MosaicFBD to display the mosaic image on the map, and uncheck to display the base layer. This function is available only during login.

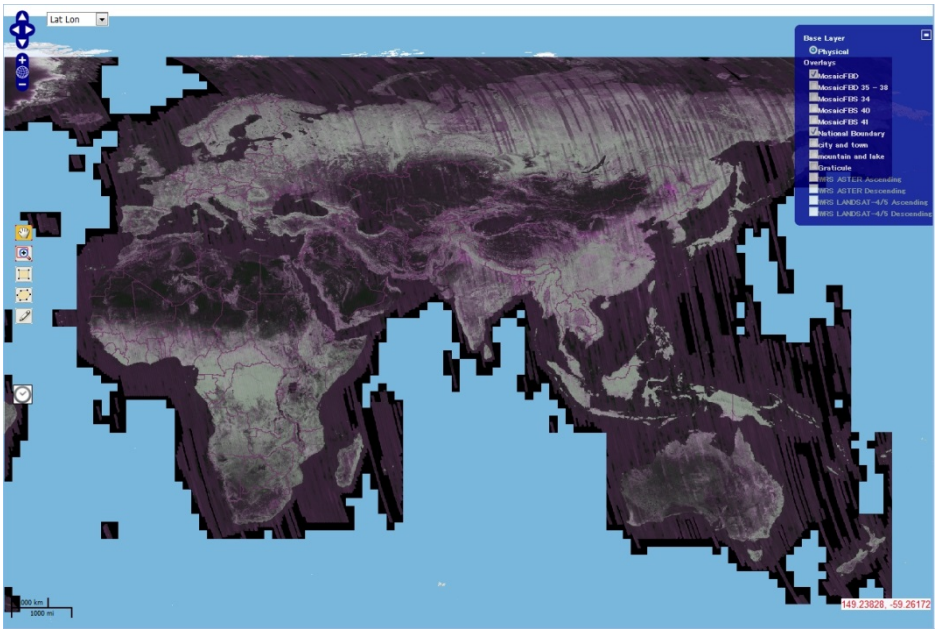


Fig. 3.7-2 Map with a Mosaic Image

[Display/Hide Geographical Name]

Check or uncheck name of layers (city and town, mountain and lake) in the layer field to switch the display of geographical names on the map. The displayed geographical names are changed according to map scale.

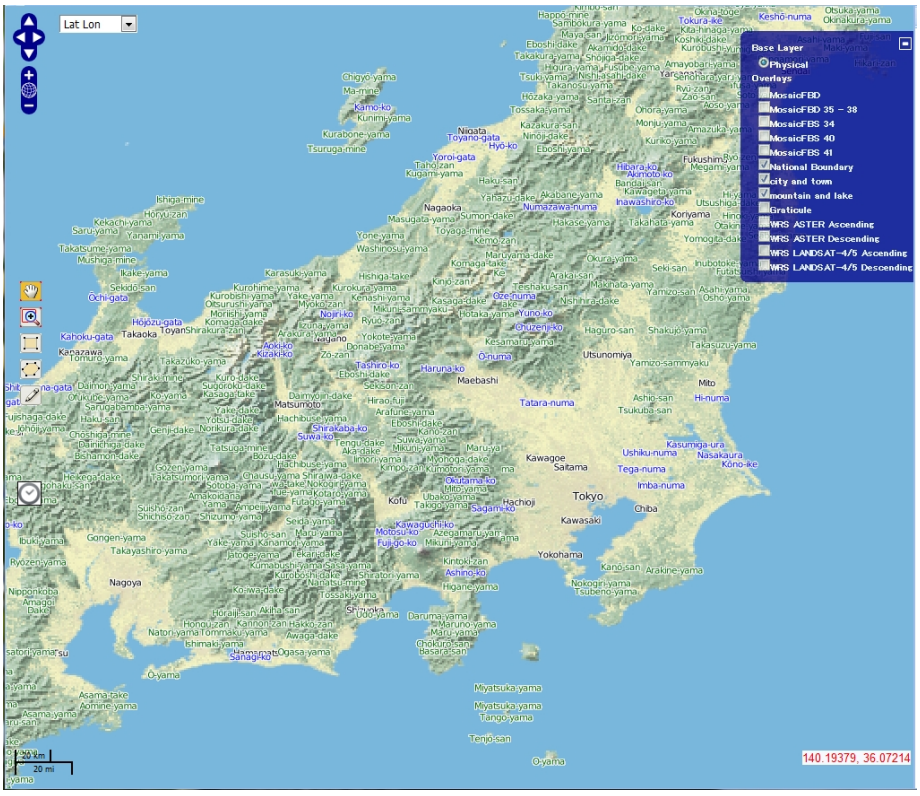


Fig. 3.7-3 Map with Geographical Names

[Display/Hide Vector Layer]

Check or uncheck boxes of vector layers such as national borders, latitude and longitude lines to switch the display/ hide on the map.

3.8. Display Background Images in Time Series Order

Mosaic images can be displayed in time series order as the background layer. There is a button to open control panel of time series layer on the left bottom of map area. This button is displayed only when logging in.It is also displayed during the map projection is Lat Lon only. In case the map projection is North Pole or South Pole, this button is not shown.

During using time series layers, layers other than below cannot be displayed on the map.

- city and town
- mountain and lake
- National Boundary

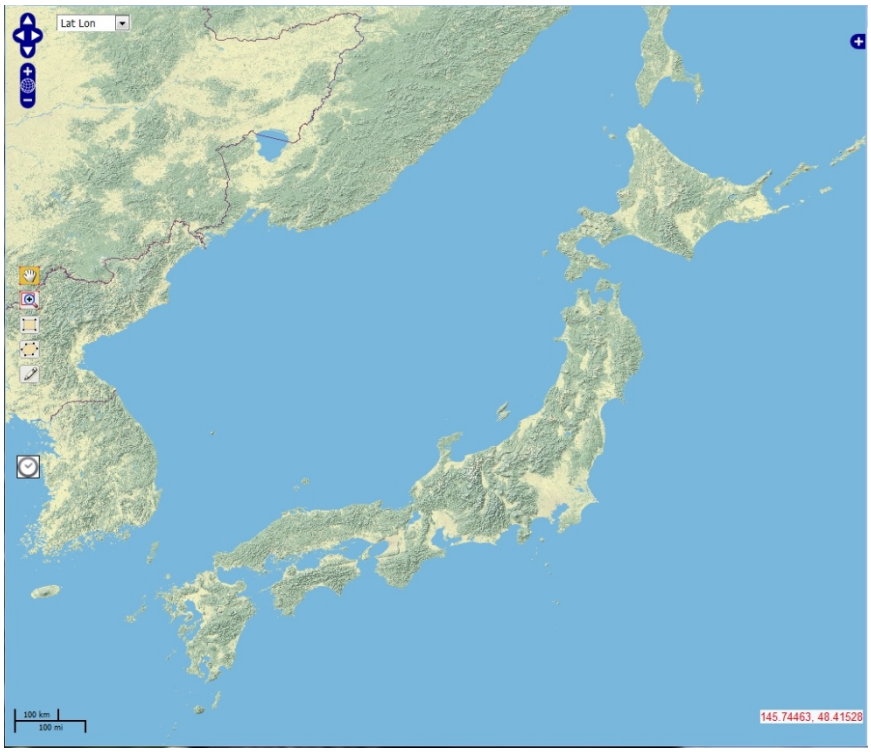


Fig. 3.8-1 Button to Open Control Panel of Time Series Layers

Click the button to open control panel of time series layers.

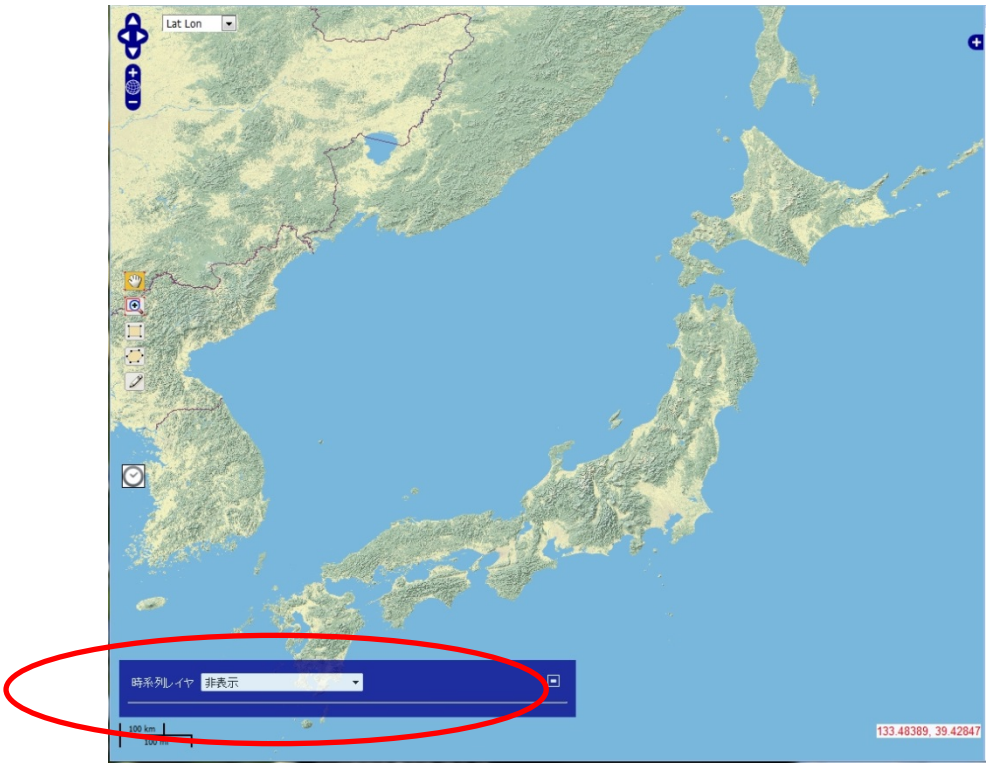


Fig. 3.8-2 Open control Panel of Time Series Layers

Select a time series layer. The figure below is the close-up of control panel.

Fig. 3.8-3 Close-up of TimeSeries Layers Control Panel

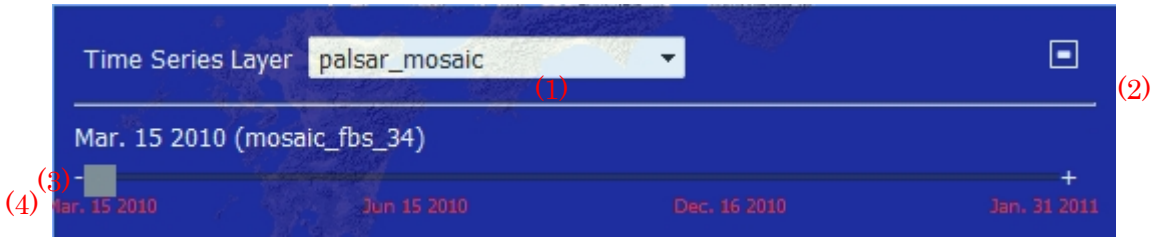


Table 3.8-1 Contents of Control Panel of Time Series Layers

No.	Content	Description
(1)	Drop-down list for Time Series Layers	Time series layer to display is selected from this list
(2)	Shut down button	Close the control panel
(3)	Recurrent Information	Recurrence information is displayed according to the slider position

No.	Content	Description
(4)	Slider to choose recurrence	When a recurrence is chosen, the corresponding mosaic image is overlaid on map. Slider is adjustable to right and left by mouse. Arrow keys of key board can move the slider when the slider is active. + and -buttons can move slider right and left.

Choose a recurrence using the slider, and the mosaic image corresponding to the chosen recurrence is overlaid on map.

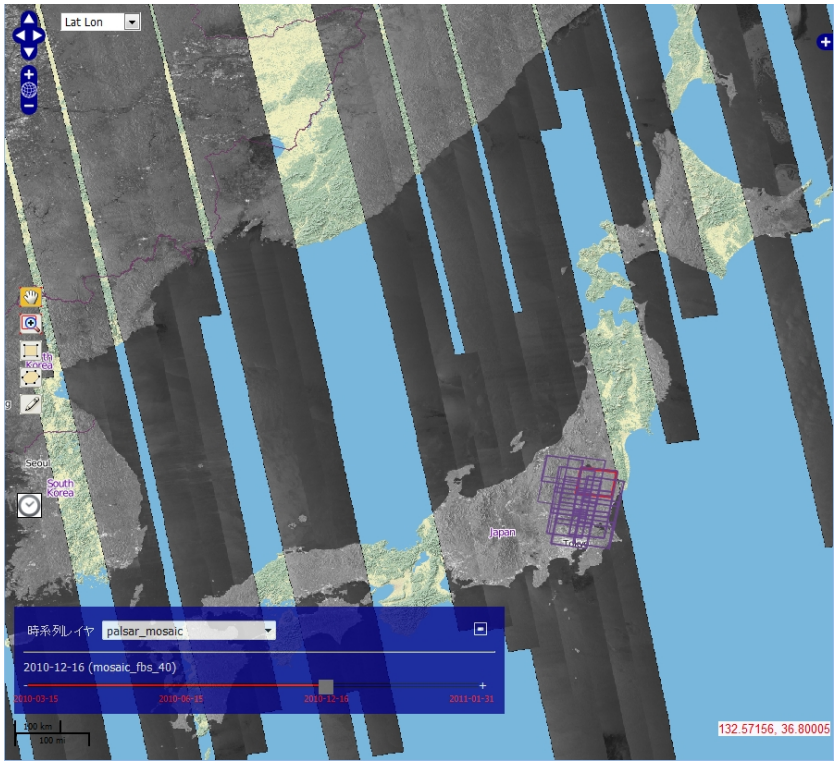


Fig. 3.8-4 Example of Time Series Layer (2010/12/16)

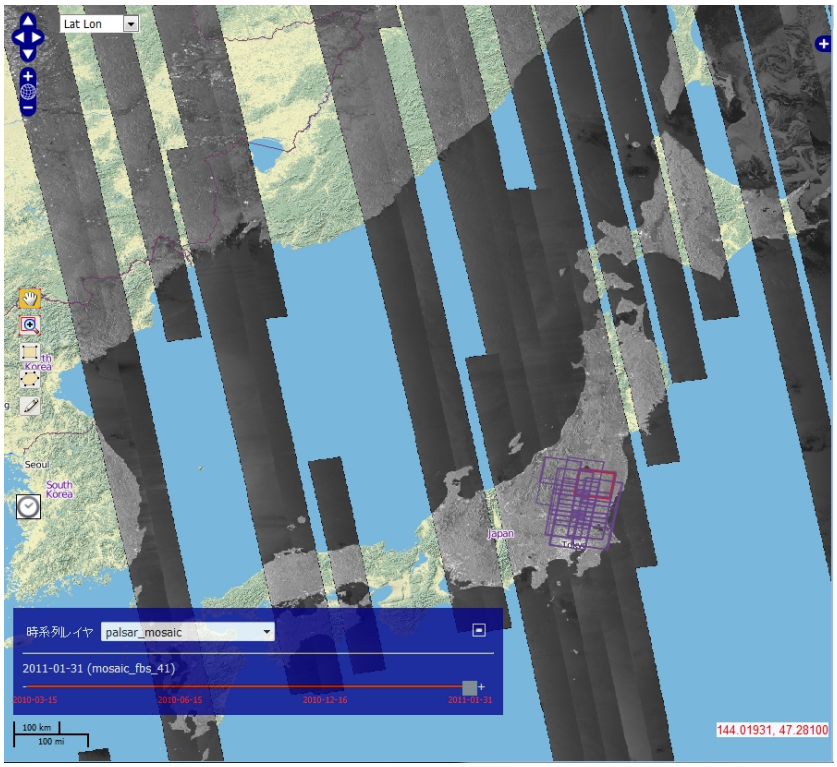


Fig. 3.8-5 Example of Time Series Layer (2011/01/31)