



JAXA/EOC Archive Status

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0. Outline

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1. Outline of EOIS (Earth Observation Data and Information System)

About EOIS and EOIS Services

- ✿ About EOIS (Earth Observation Data and Information System)
 - The EOIS provides comprehensive on-line information services. In using the EOIS, users are able to implement searches against the earth observation data and view the related information and its browse as well. For users permitted to be registered user, they are able to place orders for the data they search.

- ✿ Outline of the EOIS Service
 - Scene Order
 - Scene Search, Product Order, Sample Data Download
 - Data Set Order
 - Data Set Search, Data Set Order
 - Image Catalog
 - Display of Image Catalog, Editing of Image Catalog

Users are able to use the EOIS Data Service, by accessing to the JAXA?EOC web site (<https://isswww.eoc.jaxa.jp/iss/en/index.html>).



EOIS Login Screen

- Registration is permitted only for JAXA project members. If you wish to register, you will need to have an agreement with JAXA in advance.



The screenshot shows the EOIS login screen in a Microsoft Internet Explorer browser window. The address bar shows the URL: <https://isswww.eoc.jaxa.jp/iss/en/index.html>. The page header includes the JAXA logo and the text "Japan Aerospace Exploration Agency". The main content area is titled "Earth Observation Data and Information System" and features a "Japanese" link. A photograph of the Mediterranean sea and Nile river is displayed with the caption: "Photograph explanation: Mediterranean sea, Nile river. Advanced Earth Observing Satellite-II (ADEOS-II/GLI 250m) image (offer JAXA) - May.10 2003". Below the photograph is a "What's New" section with links to "Earth observation information system service stop and access method (Aug.25 2005)", "Problems with Some TRMM/PR Data (Aug.5 2005)", "Release of 3A25 new algorithm (V6.17) products (Apr.26 2005)", and "Problem with 3A25 V6 Algorithm (Mar.30 2005)". A "Download" section contains links for "User's manual (PDF)" and "User's manual - Guest (PDF)". A "Notes" section provides instructions on cookies, browser requirements (Netscape 7.0 or more, Internet Explorer 6.0 or more), and logout procedures. The login section includes two options: "Enter as a registered user" with fields for User ID, User Code, and password, and "Enter as a guest" with a login button. A "Registration" section explains that registration is only for JAXA project members and provides a link to "Treatment of personal information". The footer contains the copyright notice: "Copyright 2003 Japan Aerospace Exploration Agency".

Login Screen



1. Outline of EOIS (Earth Observation Data and Information System)

Search and Search result screen

Earth Observation Data and Information System - Microsoft Internet Explorer

ファイル(F) 編集(E) 表示(V) お気に入り(A) ツール(T) ヘルプ(H)

アドレス(A) https://isswww.eoc.jaxa.jp/iss/en/ComFrame.html 移動

JAXA The Earth Observation data and Information System

Search Scenes HELP

Fill out your search criteria for the scene.

Information system Display the search criteria for the EOIS. Display the search criteria for the EOSDIS. Display the search criteria for both EOIS and EOSDIS.

You are able to specify the information system to execute a search from. EOIS retrieves data from servers in Japan, mainly JAXA, while EOSDIS retrieves data from servers all across the world, mainly NASA.

Search items Narrow products by satellite/sensor

Atmosphere	Ice and Snow	Land	Oceans
<input type="button" value="Select all"/> <input type="button" value="Clear all"/> <input type="checkbox"/> ADEOS/OCTS <input type="checkbox"/> ADEOS/IMG <input type="checkbox"/> ADEOS/POLDER <input type="checkbox"/> ADEOS/ILAS <input type="checkbox"/> ADEOS/TOMS <input type="checkbox"/> TRMM/PR <input type="checkbox"/> TRMM/TMI <input type="checkbox"/> TRMM/VIRS <input type="checkbox"/> TRMM/COMB <input type="checkbox"/> Aqua/AMSR-E <input type="checkbox"/> ADEOS-II/AMSR <input type="checkbox"/> ADEOS-II/GLI-1km	<input type="button" value="Select all"/> <input type="button" value="Clear all"/> <input type="checkbox"/> ADEOS/OCTS <input type="checkbox"/> Aqua/AMSR-E <input type="checkbox"/> ADEOS-II/AMSR <input type="checkbox"/> ADEOS-II/GLI-1km	<input type="button" value="Select all"/> <input type="button" value="Clear all"/> <input type="checkbox"/> LANDSAT2/MSS <input type="checkbox"/> ERS1/AM-IMAGE <input type="checkbox"/> LANDSAT3/MSS <input type="checkbox"/> ERS2/AM-IMAGE <input type="checkbox"/> LANDSAT4/MSS <input type="checkbox"/> ADEOS/AVNIR-MU <input type="checkbox"/> LANDSAT5/MSS <input type="checkbox"/> ADEOS/AVNIR-PAN <input type="checkbox"/> LANDSAT5/TM <input type="checkbox"/> ADEOS/OCTS <input type="checkbox"/> MOS1/MESSR <input type="checkbox"/> ADEOS/IMG <input type="checkbox"/> SPOT1/HRV-XS <input type="checkbox"/> ADEOS/POLDER <input type="checkbox"/> SPOT1/HRV-PAN <input type="checkbox"/> ADEOS/TOMS <input type="checkbox"/> SPOT2/HRV-XS <input type="checkbox"/> LANDSAT7/ETM+ <input type="checkbox"/> SPOT2/HRV-PAN <input type="checkbox"/> SPOT4/HRVIRXI <input type="checkbox"/> SPOT2/HRV-PAN <input type="checkbox"/> SPOT4/HRVIRM <input type="checkbox"/> JERS/SAR <input type="checkbox"/> Aqua/AMSR-E <input type="checkbox"/> ADEOS-II/AMSR <input type="checkbox"/> ADEOS-II/AMSR	<input type="button" value="Select all"/> <input type="button" value="Clear all"/> <input type="checkbox"/> MOS1/VTIR <input type="checkbox"/> MOS1b/VTIR <input type="checkbox"/> ADEOS/OCTS <input type="checkbox"/> ADEOS/POLDER <input type="checkbox"/> ADEOS/NSCAT <input type="checkbox"/> Aqua/AMSR-E <input type="checkbox"/> ADEOS-II/AMSR <input type="checkbox"/> ADEOS-II/GLI-1km

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Defining search criteria screen for scenes

Earth Observation Data and Information System - Microsoft Internet Explorer

編集(E) 表示(V) お気に入り(A) ツール(T) ヘルプ(H)

https://isswww.eoc.jaxa.jp/iss/en/ComFrame.html 移動

JAXA The Earth Observation data and Information System

Search Scenes HELP

Search again. Confirm search criteria. Save search criteria.

Obtained 22 results.

Note: You can view the scene coverage in map by marking the check box on the left for each record you wish.

3page Display scenes in map. Mark the check box of map Select all Release all Display format? Scene Info. Format

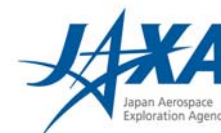
Map	No	Thumbnail	Sample	Detail	Observation date		Satellite		Path	RSP path	A/D	Quality	Amount of cloud	Scene coverage
					Observation beginning time	Sensor	Sensor number	Row						
<input checked="" type="checkbox"/>	21	-	-	DETAIL	2005/09/05	Aqua	-	-	-	196	A	G	-	S
					02:17:33	AMSR-E	-	-	-					ET
<input checked="" type="checkbox"/>	22	-	-	DETAIL	2005/09/05	Aqua	-	-	-	196	D	G	-	S
					01:28:14	AMSR-E	-	-	-					W

3page Display scenes in map. Mark the check box of map Select all Release all Display format? Scene Info. Format

Search again. Confirm search criteria. Save search criteria.

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Search result screen



1. Outline of EOIS (Earth Observation Data and Information System)

Archived Data at JAXA/EOC

Archived Data at JAXA/EOC (each satellite)

No.	Satellite	Sensor	Total (GB)	Total (TB)
1	LANDSAT	MSS	9,535.39 GB	9.31 TB
		TM	33,628.83 GB	32.84 TB
		ETM	10,516.07 GB	10.27 TB
2	MOS	MESSR	7,985.40 GB	7.80 TB
		VTIR	003.20 GB	0.00 TB
		MSR	1,216.54 GB	1.19 TB
3	SPOT	HRV-XS	1,853.69 GB	1.81 TB
		HRV-PA	1,660.67 GB	1.62 TB
		HRV-HI	131.32 GB	0.13 TB
		HRV-HM	034.09 GB	0.03 TB
4	JERS	VNIR	9,393.71 GB	9.17 TB
		SWIR	2,415.20 GB	2.36 TB
		SAR	39,374.90 GB	38.45 TB
5	ERS	AIM	12,661.43 GB	12.36 TB
6	ADEOS	AVNIR-MU	5,023.62 GB	4.91 TB
		AVNIR-PA	2,928.36 GB	2.86 TB
		OCTS	12,783.31 GB	12.48 TB
7	TRMM	PR	7,083.74 GB	6.92 TB
		TMI	1,054.09 GB	1.03 TB
		VIRS	2,505.97 GB	2.45 TB
		COMB	402.86 GB	0.39 TB
8	ADEOS-II	AMSR	958.82 GB	0.94 TB
		GLI	51,225.73 GB	50.03 TB
9	Aqua	AMSR-E	3,395.58 GB	3.32 TB
Total			217,772.54 GB	212.67 TB



2. Data Distribution Method

Data Distribution Method to Users

☀ Data Distribution Method to Users

☀ Scene Order

- Users can order on a scene-by-scene basically. This service is available to all users including general users and registered users.

☀ Data Set Order

- Users can order a specified multiple-kinds or multiple-days products of a specified sensor as a single dataset. This service is available only to registered users.

☀ Standing Order

- Users can specify conditions (i.e., sensor, processing level, products, period or latitude/longitude) for JAXA to process data in advance. This service is available only to registered users. Requested data are stored in media and delivered to users.

Distribution Media

- Data distribution media for the scene order, data set order and standing order are shown in the following table.

Service	Media			
	CD-ROM	8mm	DVD-R	DLT
Scene Order	@	@	@	X
Data Set Order	O	O	O	X
Standing Order	X	O	O	O

@: Available to all users, O: Available to registered users, X: Not available

The format of the product in distribution media is NCSA-HDF.

Sample Data Distribution

- Level 3 products of AMSR/AMSR-E are available and staged in the server for about 6 months.

Level	Physical Parameter	Map Projection			Note
		EQR	PS	PN	
3	TB (for 12 channels)	O	O	O	Asc / Dec
	WV, CLW, AP, SSW, SST, SM	O	X	X	Asc / Dec
	IC	X	O	O	Asc / Dec
	SWE	O	X	O	Asc / Dec

O: Available, X: Not available

3. Distribution statistics

AMSR and AMSR-E Products

✿ Distribution Statistics for AMSR-E

Data Distribution Method		FY2002	FY2003	FY2004	FY2005	Total
JAXA	Scene Order	361	1,554	142	0	2,057
	Standing Order	4,053	153,263	305,683	91,297	554,296
PI	Scene Order	0	4,365	43	0	4,408
	Standing Order	0	43,024	194,683	7,106	244,813
Users	Scene Order	0	96	251	0	347
	Standing Order	0	0	0	0	0
Total		4,414	202,302	500,802	98,403	805,921

PI: Principal Investigator

Unit : Scene

3. Distribution statistics

AMSR and AMSR-E Products

✿ Distribution Statistics for AMSR-E

Product	2002	2003	2004	2005	Total	
1A	1,097	10,072	2	5,984	17,155	
1B	2,965	31,504	12,103	7,178	53,750	
1BM	6	77	6	0	89	
2	WV	118	16,619	65,461	1,719	83,917
	CLW	118	236	62,782	1,719	64,855
	AP	0	16,619	59,208	1,719	77,546
	SSW	0	16,620	62,780	1,719	81,119
	SST	0	16,619	62,780	1,719	81,118
	IC	0	16,619	24,360	1,719	42,698
	SM	0	0	24,424	1,719	26,143
	SWE	0	235	24,364	1,719	26,318
2M	WV	0	9	0	0	9
	CLW	0	6	2	0	8
	AP	0	5	0	0	5
	SSW	0	11	0	0	11
	SST	4	16	1	0	21
	IC	0	9	0	0	9
	SM	0	0	0	0	0
	SWE	0	7	0	0	7

Unit : Scene

Product Level	2002	2003	2004	2005	Total		
3	1day	WV	8	1,164	3,495	0	4,667
		CL	8	29	3,489	0	3,526
		AP	0	1,164	3,488	0	4,652
		SSW	0	1,165	3,489	0	4,654
		SST	0	1,164	3,489	0	4,653
		IC	0	2,329	3,369	0	5,698
		SM	0	0	1,688	0	1,688
		SW	0	55	3,369	0	3,424
	month	TB	0	67,312	73,777	0	141,089
		WV	2	41	62	0	105
		CLW	2	1	64	0	67
		AP	2	41	62	0	105
		SSW	2	41	62	0	105
		SST	2	41	80	0	123
h	IC	4	83	124	0	211	
	SM	0	0	62	0	62	
	SWE	4	1	128	0	133	
	TB	72	2,388	2,232	0	4,692	
Total	4,414	202,302	500,802	98,403	805,921		

Unit : Scene

3. Distribution statistics

AMSR and AMSR-E Products

✿ Distribution Statistics for AMSR

Data Distribution Method		FY2002	FY2003	FY2004	FY2005	Total
JAXA	Scene Order	5	99	1,290	0	1,394
	Standing Order	0	96,108	24,823	14,831	135,762
PI	Scene Order	0	542	68	0	610
	Standing Order	0	13,258	94,516	0	107,774
Users	Scene Order	0	4	0	0	4
	Standing Order	0	0	0	0	0
Total		5	110,011	120,697	14,831	245,544

PI: Principal Investigator

Unit : Scene

3. Distribution statistics

AMSR and AMSR-E Products

✿ Distribution Statistics for AMSR

Product	2002	2003	2004	2005	Total	Product Level	2002	2003	2004	2005	Total			
1A	2	6,700	0	7,297	13,999	1 day	0	498	451	0	949			
1B	2	9,765	6,063	7,297	23,127		0	498	443	0	941			
1BM	1	2	0	0	3		0	498	418	0	916			
2	WV	0	8,347	23,404	0	31,751	3	SSW	0	648	422	237	1,307	
	CLW	0	8,344	23,404	0	31,748		SST	0	502	452	0	954	
	AP	0	6,638	17,337	0	23,975		IC	0	999	0	0	999	
	SSW	0	8,345	23,116	237	31,698		SM	0	0	0	0	0	
	SST	0	10,124	25,165	0	35,289		SW	0	995	0	0	995	
	IC	0	6,638	0	0	6,638		TB	0	32,411	0	0	32,411	
	SM	0	0	0	0	0		month	WV	0	20	1	0	21
	SWE	0	6,638	0	0	6,638			CLW	0	20	0	0	20
	WV	0	5	1	0	6			AP	0	20	0	0	20
2M	CLW	0	1	1	0	2	SSW	0	20	441	0	461		
	AP	0	0	1	0	1	SST	0	20	0	0	20		
	SSW	0	1	1	0	2	IC	0	40	0	0	40		
	SST	0	0	1	0	1	SM	0	0	0	0	0		
	IC	0	1	1	0	2	SWE	0	40	0	0	40		
	SM	0	0	0	0	0	TB	0	1,232	0	0	1,232		
	SWE	0	1	1	0	2	Total	5	110,011	120,697	14,831	245,544		

Unit : Scene

Unit : Scene



4. Future plans with the Archived data

✿ Reinforcement for the online data distribution

➤ The current online data distribution service is available only to registered users and not available to general users. Moreover, there is a limitation in the product that is able to be downloaded.

In future, the online data distribution service is expanded to a general users, and the product type expands, too.