ALOS Kyoto & Carbon Initiative

10th K&C Science Team meeting

23-26 June, 2008

RESTEC HQ
(ありがとう RESTEC！)

Roppongi, Tokyo

Project issues

Agenda

K&C time schedule

PALSAR acquisition strategy update

EORC strip data processing - fill-in request procedures

TerraSAR-X

K&C Wiki

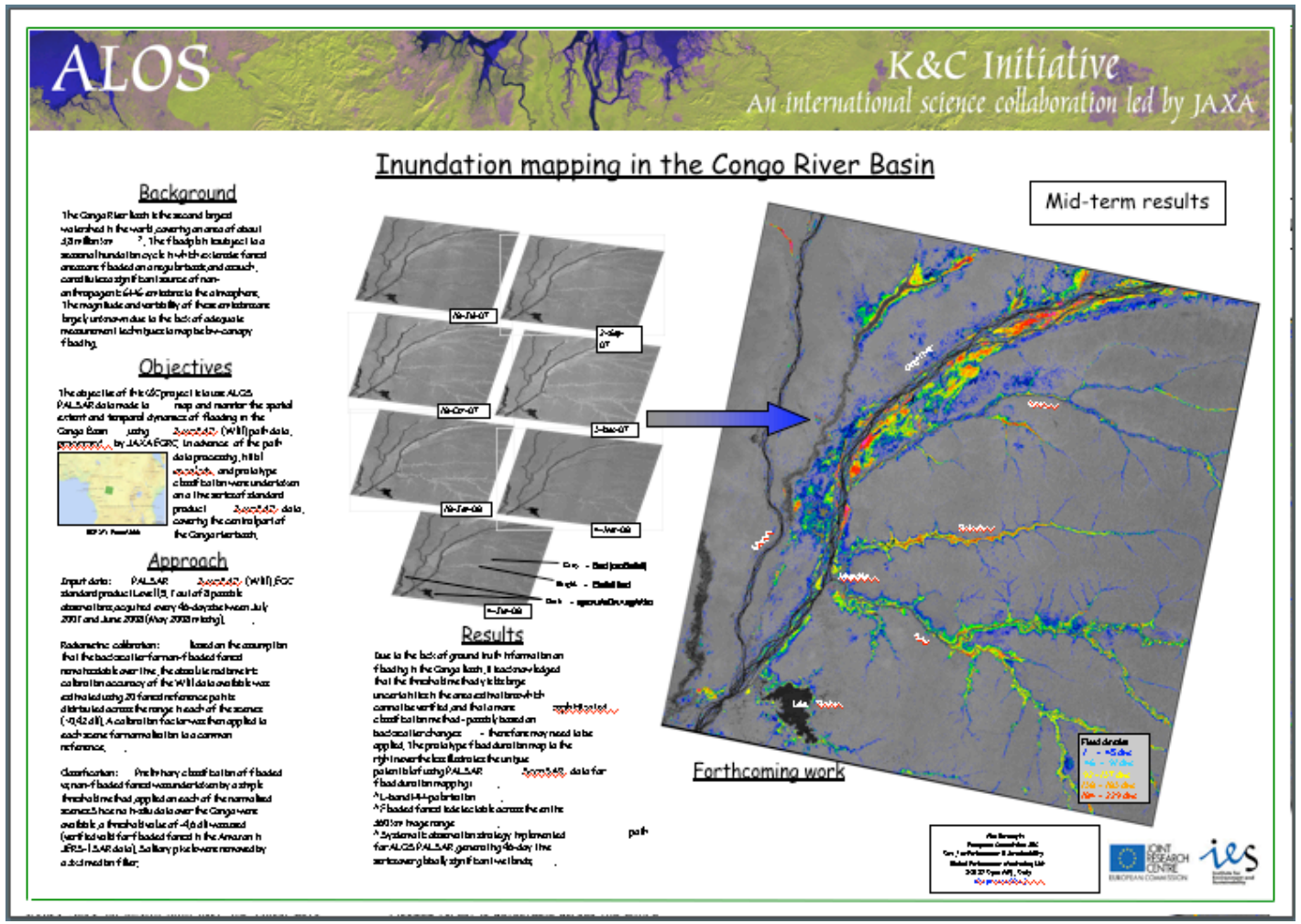
K&C#10 Agenda

- Monday, June. 23:
  - Project issues
  - PALSAR & processing update
  - Mosaic generation schedule
  - Data issues - open discussion
- Tuesday, June 24:
  - K&C Wiki site
  - Poster Session
- Wednesday, June 25:
  - Forest Theme session
  - Wetlands Theme session
  - K&C Science Plan up-date
- Thursday, June 26:
  - ALOS follow-on
  - Theme summaries
  - Wrap-up

Advanced Land Observing Satellite

Poster session

5 minutes oral presentation in front of the poster



K&C Time schedule

Nov. 3-7, 2008:

- K&C Special Session at ALOS PI Symposium (Rhodes, Greece)
- Paper submission deadline extended until end of this week (June 27!)

Nov. 30, 2008:

- Science Team member **Project Report** to JAXA
- **Proposal** for extension phase

Jan 13-16, 2009 (tent.):

- Final Science Team meeting (K&C#11)

Jan. 24, 2009 (3 years after ALOS launch):

- Expiration of K&C agreements
- Product delivery

Jan-Mar., 2009:

- Project evaluation by JAXA

(TBC) April 2009 -> :

- Extension phase (2-3 years) for successful projects

Travel support

General rule:

- JAXA aims to support travel for one in every two meetings participated in (10-12 persons/mtg). In case of budget limitations, “support history” applies.
- One person supported per project (team member, or representative)
- Active participation in project issues (e.g. progress reports, Science Plan, Wiki site etc.) requirement for support.

Advanced Land Observing Satellite

Observation Strategy

PALSAR Results

Cycle #	Start date	
1	24-Jan-06	
2	4-Mar-06	
3	19-Apr-06	
4	4-Jun-06	
5	20-Jul-06	
6	4-Sep-06	
7	20-Oct-06	
8	5-Dec-06	
9	20-Jan-07	
10	7-Mar-07	
11	22-Apr-07	
12	7-Jun-07	
13	23-Jul-07	
14	7-Sep-07	
15	23-Oct-07	
16	8-Dec-07	
17	23-Jan-08	
18	9-Mar-08	
19	24-Apr-08	
20	9-Jun-08	
21	25-Jul-08	
22	9-Sep-08	
23	25-Oct-08	
24	10-Dec-08	
25	25-Jan-09	
26	12-Mar-09	
27	27-Apr-09	
28	12-Jun-09	
29	28-Jul-09	
30	12-Sep-09	

Advanced Land Observing Satellite

Observation Strategy - PALSAR Results

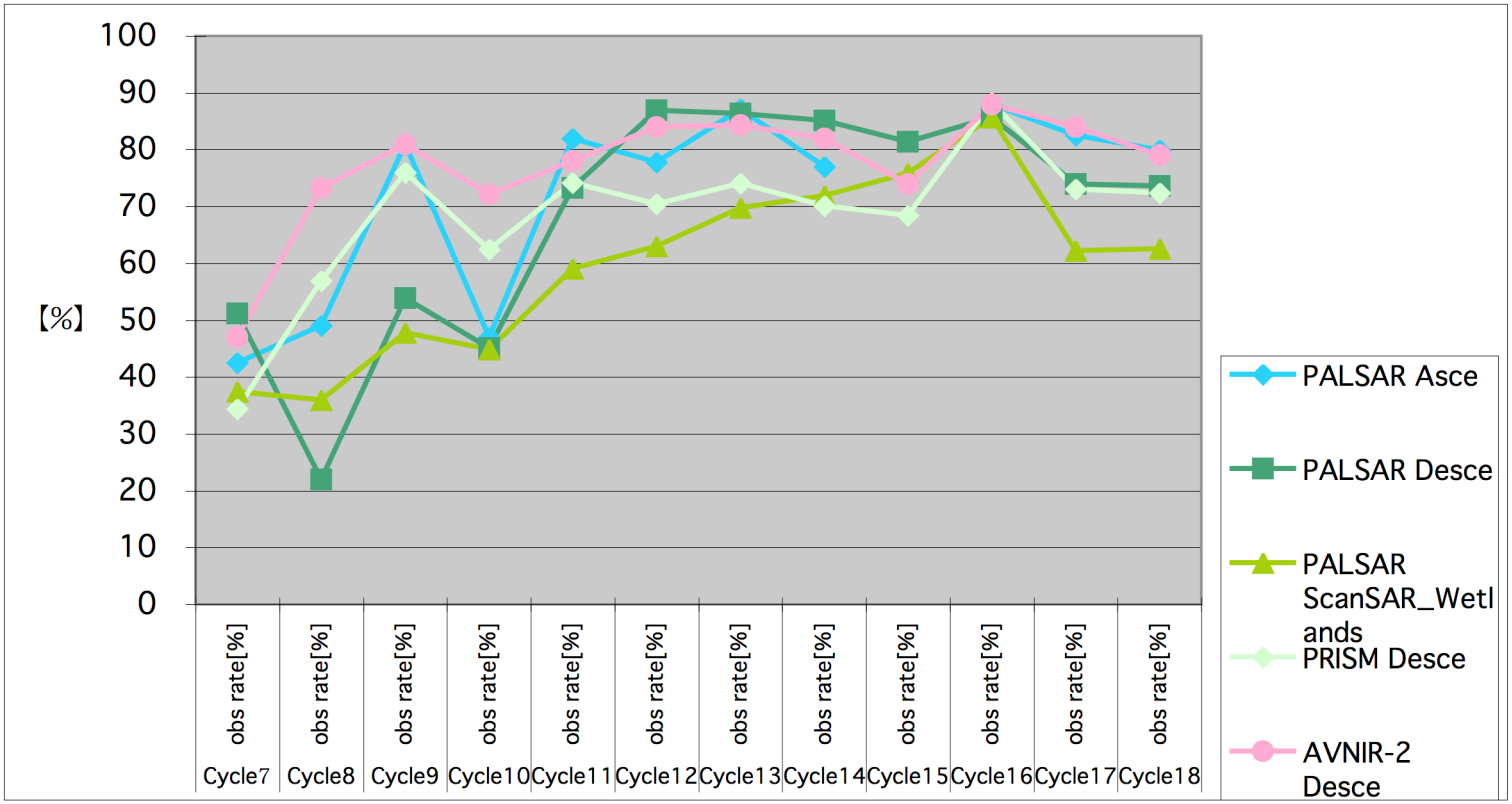
PALSAR	Cycle8 (2006/12/5～2007/1/19)			Cycle9 (2007/1/20～3/6)			Cycle10 (2007/3/7～4/21)			Cycle11 (2007/4/22～6/6)		
	req[scene]	obs[scene]	obs rate[%]	req[scene]	obs[scene]	obs rate[%]	req[scene]	obs[scene]	obs rate[%]	req[scene]	obs[scene]	obs rate[%]
FB – Ascending	60,096	29,488	49	44,967	36,447	81	32,844	15,661	47	32,844	27,236	82
ScanSAR Global	3,662	810	22	6,476	3,490	54	370	167	45	131	96	73
K&C Wetlands	882	317	36	4,336	2,074	48	1,953	877	45	1,932	1,141	59

PALSAR	Cycle12 (2007/6/7～7/22)			Cycle13 (2007/7/23～9/6)			Cycle14 (2007/9/7～10/22)			Cycle15 (2007/10/23～12/7)		
	req[scene]	obs[scene]	obs rate[%]	req[scene]	obs[scene]	obs rate[%]	req[scene]	obs[scene]	obs rate[%]	req[scene]	obs[scene]	obs rate[%]
FB	53,113	41,323	78	48,123	41,947	87	55,495	42,701	77	47,492	7,428	16
Global	230	200	87	2,844	2,455	86	1,094	931	85	291	237	81
K&C Wetlands	2,095	1,321	63	2,102	1,466	70	2,113	1,409	67	2,004	1,521	76

PALSAR	Cycle16 (2007/12/8～2008/1/22)			Cycle17 (2008/1/23～2008/3/8)			Cycle18(2008/3/9～2008/4/23)			Cycle19(2008/4/24～2008/6/8)		
	req[scene]	obs[scene]	obs rate[%]	req[scene]	obs[scene]	obs rate[%]	req[scene]	obs[scene]	obs rate[%]	req[time]	obs[time]	obs rate[%]
FB	56,332	49,536	88	46,123	38,087	83	26,106	20,860	80	248,667	203,113	82
Global	3,692	3,165	86	2,368	1,751	74	501	369	74	931	695	75
K&C Wetlands	2,004	1,716	86	1,187	739	62	1,182	740	63	39,189	29,475	75

Observation Strategy - PALSAR Results

	Results summary		
	req[scene]	obs[scene]	obs rate[%]
Cycles 8–9	105,063	65,935	63
Cycles 10–11	65,688	42,897	65
Cycles 12–14	156,731	125,971	80
Cycles 16–18	128,561	108,483	84
Cycle 19			82
ScanSAR 8–18	21790	13321	61



Processing issues

EORC processing

- What has been acquired?
  → Search individual RSP passes in AUIG

- What has been processed?
  → Numerical listing in FTP/Aspera directory
  → Global graphic overview on AGAP main page (K&C View Port)
  → (AGAP member accounts (suspended -> Mukaida-san))

- How to request replacement processing of missing strips
  → ….

Missing strips and replacement data

How to search and request processing of replacement data

There is a good probability that suitable replacement data exist for at least a part of the passes missing in your FTP directories, acquired during cycles other than the ones specifically requested by you in your Excel processing form.

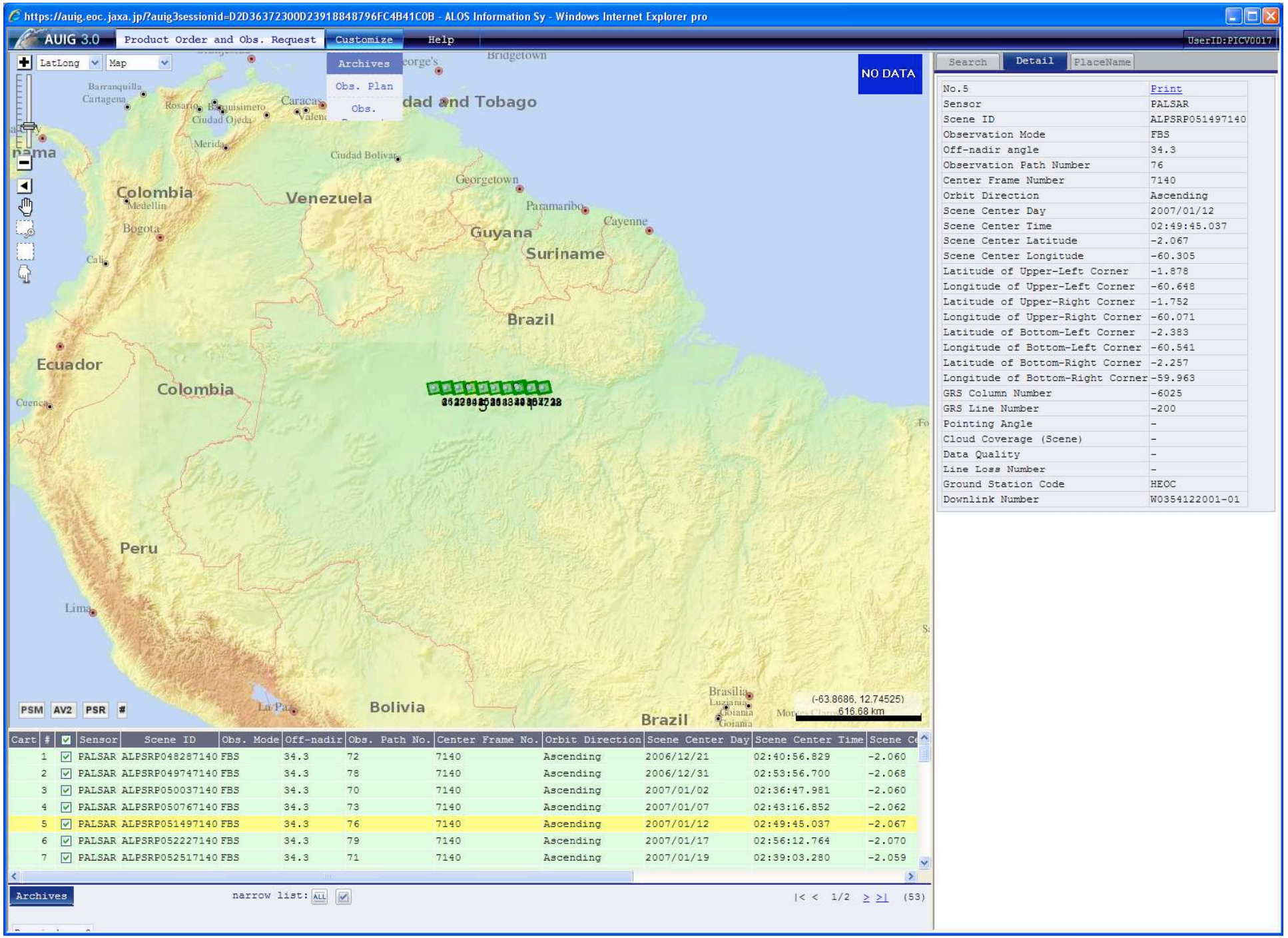
Use AUIG to search for replacement data, and let JAXA know the following information:

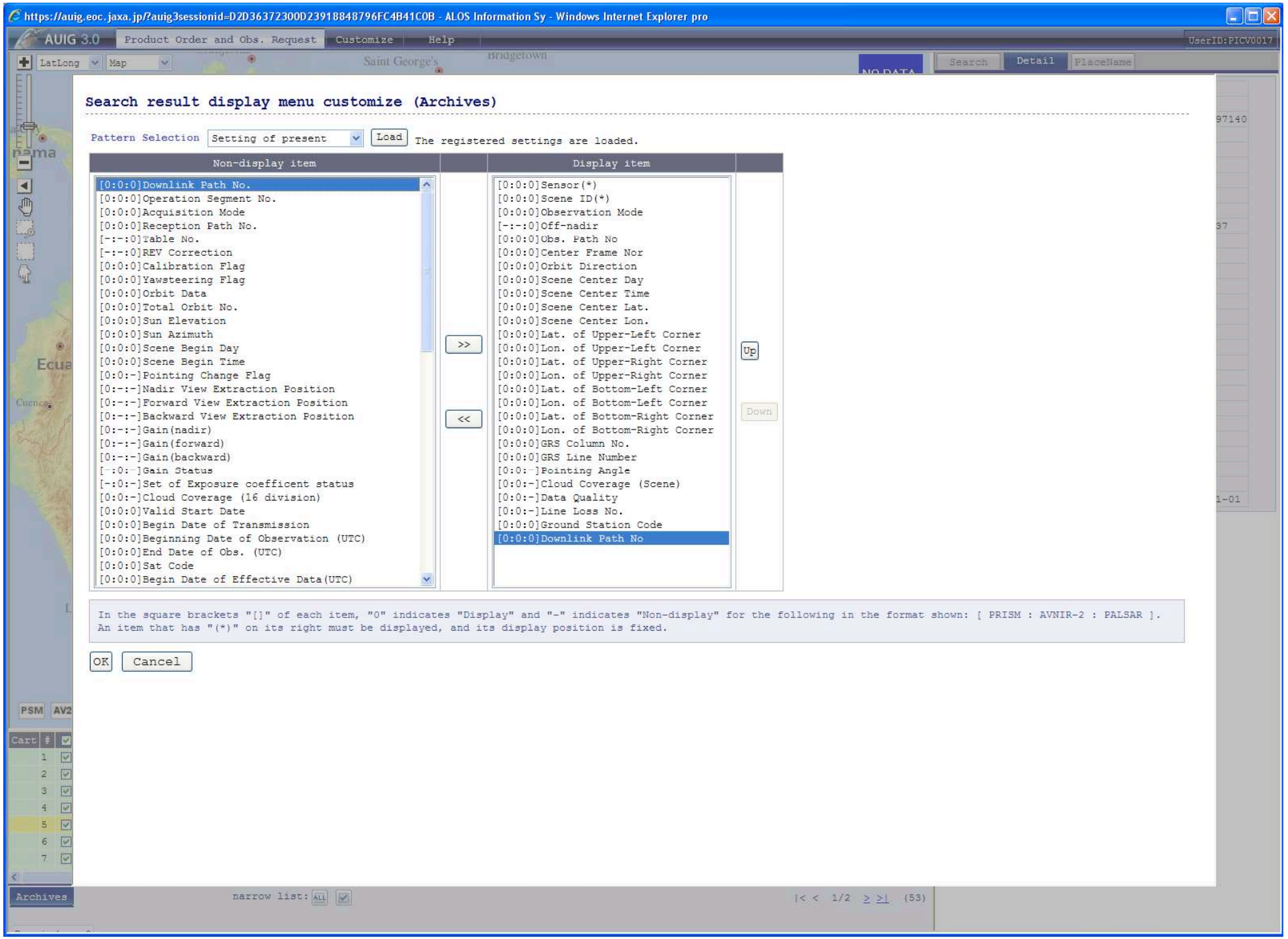
(1) RSP number

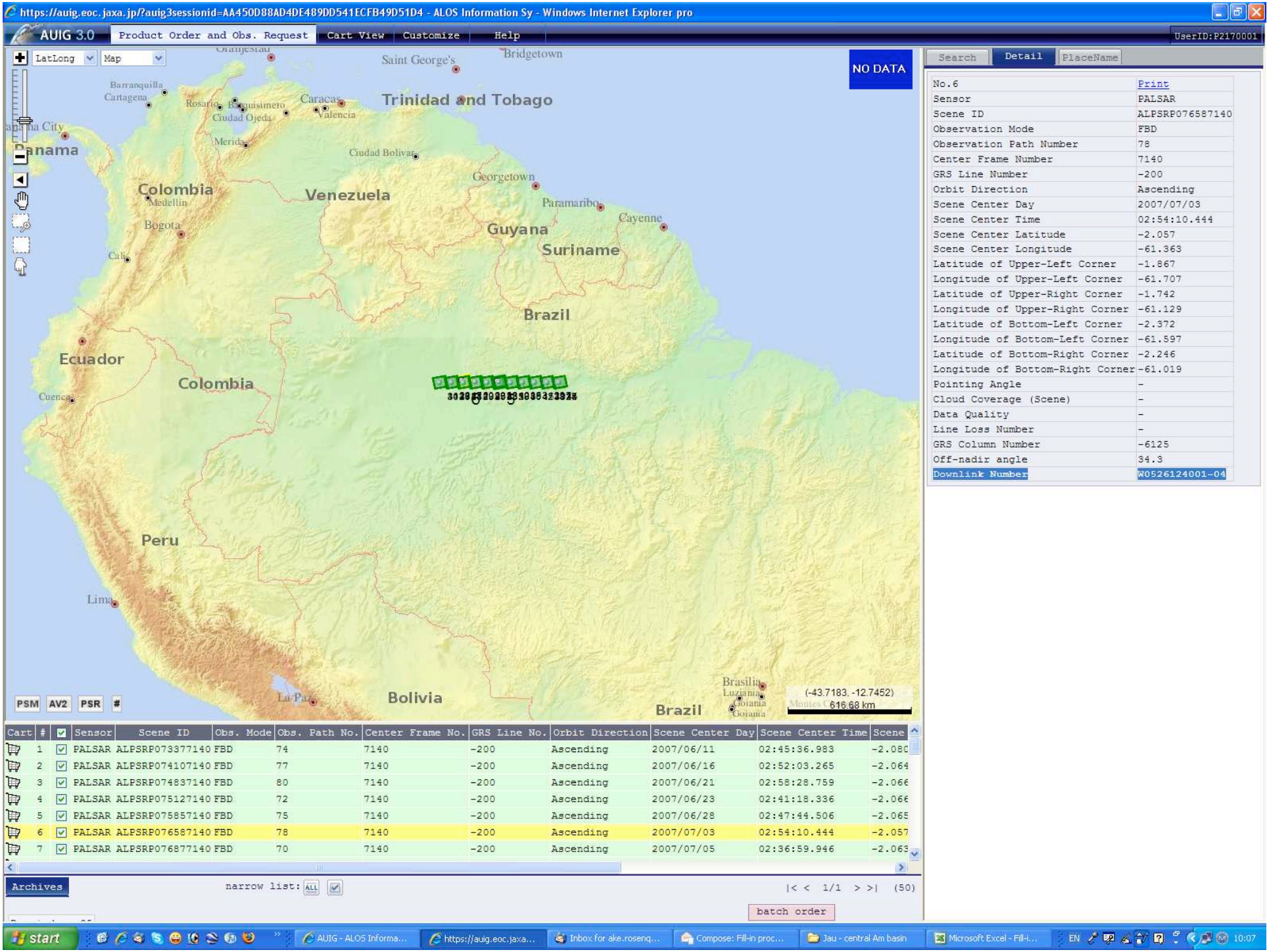
(2) acquisition date

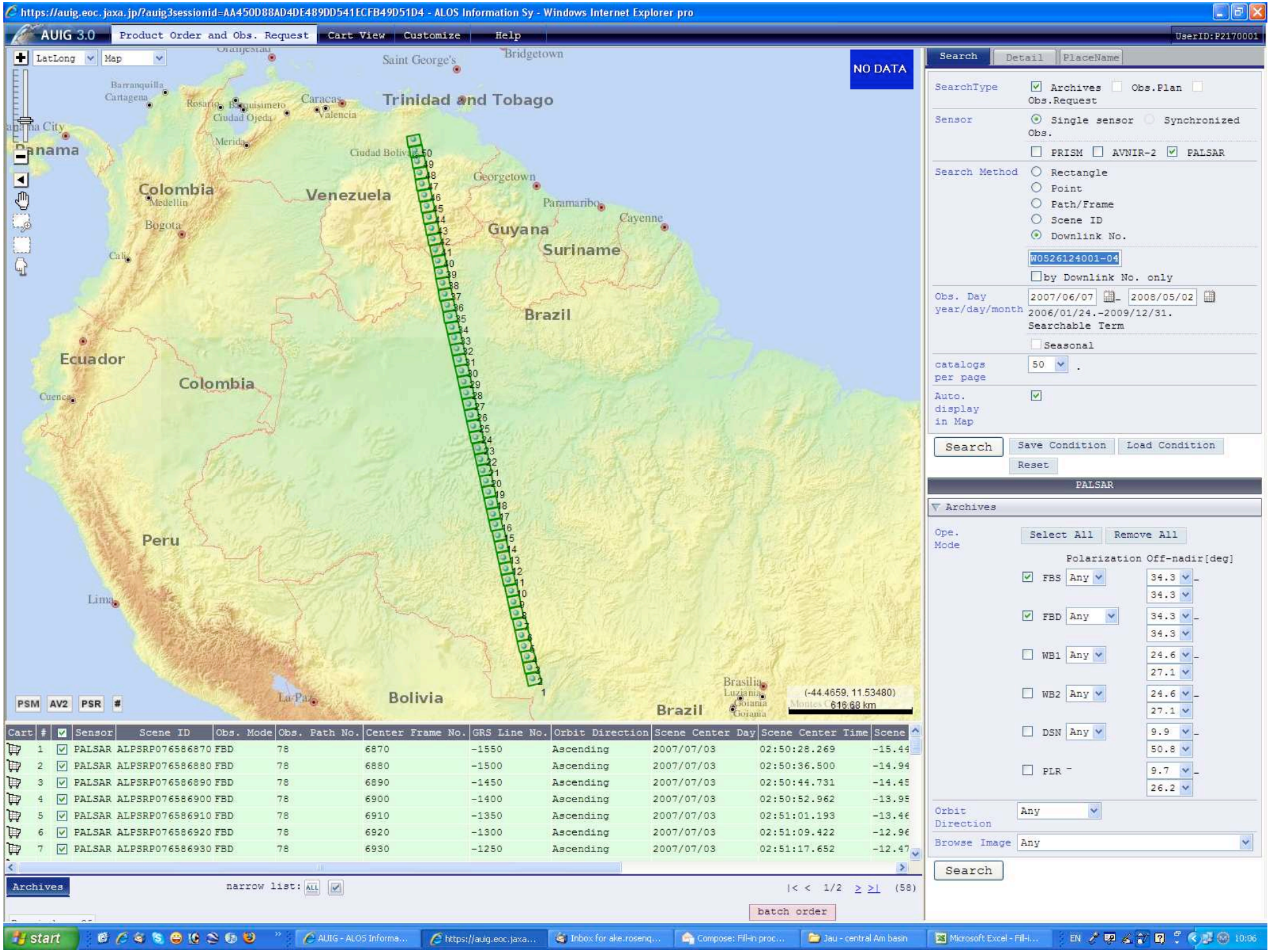
(3) start and end latitude you want processed (verify in AUIG that the segment you select actually covers your entire latitude range)

(4) downlink segment number.


https://auig.eoc.jaxa.jp/?auig3sessionid=D2D36372300D23918848796FC4B41C0B - ALOS Information Sy - Windows Internet Explorer pro
AUIG 3.0
Product Order and Obs. Request
Customize
Help
UserID:PICV0017
Archives
Obs. Plan
Obs.
LatLong
Map
NO DATA
Search
Detail
PlaceName
No.5 Print
Sensor PALSAR
Scene ID ALPSRP051497140
Observation Mode FBS
Off-nadir angle 34.3
Observation Path Number 76
Center Frame Number 7140
Orbit Direction Ascending
Scene Center Day 2007/01/12
Scene Center Time 02:49:45.037
Scene Center Latitude -2.067
Scene Center Longitude -60.305
Latitude of Upper-Left Corner -1.878
Longitude of Upper-Left Corner -60.648
Latitude of Upper-Right Corner -1.752
Longitude of Upper-Right Corner -60.071
Latitude of Bottom-Left Corner -2.383
Longitude of Bottom-Left Corner -60.541
Latitude of Bottom-Right Corner -2.257
Longitude of Bottom-Right Corner -59.963
GRS Column Number -6025
GRS Line Number -200
Pointing Angle -
Cloud Coverage (Scene) -
Data Quality -
Line Loss Number -
Ground Station Code HEOC
Downlink Number W0354122001-01
Colombia
Venezuela
Guyana
Suriname
Brazil
Ecuador
Peru
Bolivia
Trinidad and Tobago
Bridgetown
Caracas
Georgetown
Paramaribo
Cayenne
Bogota
Medellin
Lima
Brasilia
PSM
AV2
PSR
(-63.8686, 12.74525)
616.68 km
Cart # Sensor Scene ID Obs. Mode Off-nadir Obs. Path No. Center Frame No. Orbit Direction Scene Center Day Scene Center Time Scene Ce
1 PALSAR ALPSRP048287140 FBS 34.3 72 7140 Ascending 2006/12/21 02:40:56.829 -2.060
2 PALSAR ALPSRP049747140 FBS 34.3 78 7140 Ascending 2006/12/31 02:53:56.700 -2.068
3 PALSAR ALPSRP050037140 FBS 34.3 70 7140 Ascending 2007/01/02 02:36:47.981 -2.060
4 PALSAR ALPSRP050767140 FBS 34.3 73 7140 Ascending 2007/01/07 02:43:16.852 -2.062
5 PALSAR ALPSRP051497140 FBS 34.3 76 7140 Ascending 2007/01/12 02:49:45.037 -2.067
6 PALSAR ALPSRP052227140 FBS 34.3 79 7140 Ascending 2007/01/17 02:56:12.764 -2.070
7 PALSAR ALPSRP052517140 FBS 34.3 71 7140 Ascending 2007/01/19 02:39:03.280 -2.059
Archives
narrow list: ALL
|< < 1/2 > >| (53)


https://auig.eoc.jaxa.jp/?auig3sessionid=D2D36372300D23918848796FC4B41C0B - ALOS Information Sy - Windows Internet Explorer pro
AUIG 3.0
Product Order and Obs. Request
Customize
Help
UserID:PICV0017
Search result display menu customize (Archives)
Pattern Selection
Setting of present
Load
The registered settings are loaded.
Non-display item
Display item
[0:0:0]Downlink Path No.
[0:0:0]Operation Segment No.
[0:0:0]Acquisition Mode
[0:0:0]Reception Path No.
[-:-:0]Table No.
[-:-:0]REV Correction
[0:0:0]Calibration Flag
[0:0:0]Yawsteering Flag
[0:0:0]Orbit Data
[0:0:0]Total Orbit No.
[0:0:0]Sun Elevation
[0:0:0]Sun Azimuth
[0:0:0]Scene Begin Day
[0:0:0]Scene Begin Time
[0:0:-]Pointing Change Flag
[0:-:-]Nadir View Extraction Position
[0:-:-]Forward View Extraction Position
[0:-:-]Backward View Extraction Position
[0:-:-]Gain(nadir)
[0:-:-]Gain(forward)
[0:-:-]Gain(backward)
[-:0:-]Gain Status
[-:0:-]Set of Exposure coefficent status
[0:0:-]Cloud Coverage (16 division)
[0:0:0]Valid Start Date
[0:0:0]Begin Date of Transmission
[0:0:0]Beginning Date of Observation (UTC)
[0:0:0]End Date of Obs. (UTC)
[0:0:0]Sat Code
[0:0:0]Begin Date of Effective Data(UTC)
>>
<<
[0:0:0]Sensor(*)
[0:0:0]Scene ID(*)
[0:0:0]Observation Mode
[-:-:0]Off-nadir
[0:0:0]Obs. Path No
[0:0:0]Center Frame Nor
[0:0:0]Orbit Direction
[0:0:0]Scene Center Day
[0:0:0]Scene Center Time
[0:0:0]Scene Center Lat.
[0:0:0]Scene Center Lon.
[0:0:0]Lat. of Upper-Left Corner
[0:0:0]Lon. of Upper-Left Corner
[0:0:0]Lat. of Upper-Right Corner
[0:0:0]Lon. of Upper-Right Corner
[0:0:0]Lat. of Bottom-Left Corner
[0:0:0]Lon. of Bottom-Left Corner
[0:0:0]Lat. of Bottom-Right Corner
[0:0:0]Lon. of Bottom-Right Corner
[0:0:0]GRS Column No.
[0:0:0]GRS Line Number
[0:0:-]Pointing Angle
[0:0:-]Cloud Coverage (Scene)
[0:0:-]Data Quality
[0:0:-]Line Loss No.
[0:0:0]Ground Station Code
[0:0:0]Downlink Path No
Up
Down
In the square brackets "[]" of each item, "0" indicates "Display" and "-" indicates "Non-display" for the following in the format shown: [PRISM : AVNIR-2 : PALSAR].
An item that has "(*)" on its right must be displayed, and its display position is fixed.
OK
Cancel
Archives
narrow list:
1/2
(53)


https://auig.eoc.jaxa.jp/?auig3sessionid=AA450D88AD4DE489DD541ECFB49D51D4 - ALOS Information Sy - Windows Internet Explorer pro
AUIG 3.0
Product Order and Obs. Request
Cart View
Customize
Help
UserID:P2170001
LatLong
Map
NO DATA
Search
Detail
PlaceName
No.6 Print
Sensor PALSAR
Scene ID ALPSRP076587140
Observation Mode FBD
Observation Path Number 78
Center Frame Number 7140
GRS Line Number -200
Orbit Direction Ascending
Scene Center Day 2007/07/03
Scene Center Time 02:54:10.444
Scene Center Latitude -2.057
Scene Center Longitude -61.363
Latitude of Upper-Left Corner -1.867
Longitude of Upper-Left Corner -61.707
Latitude of Upper-Right Corner -1.742
Longitude of Upper-Right Corner -61.129
Latitude of Bottom-Left Corner -2.372
Longitude of Bottom-Left Corner -61.597
Latitude of Bottom-Right Corner -2.246
Longitude of Bottom-Right Corner -61.019
Pointing Angle -
Cloud Coverage (Scene) -
Data Quality -
Line Loss Number -
GRS Column Number -6125
Off-nadir angle 34.3
Downlink Number W0526124001-04
Trinidad and Tobago
Colombia
Venezuela
Guyana
Suriname
Brazil
Ecuador
Peru
Bolivia
Panama
PSM
AV2
PSR
(-43.7183, -12.7452)
616.68 km
Cart # Sensor Scene ID Obs. Mode Obs. Path No. Center Frame No. GRS Line No. Orbit Direction Scene Center Day Scene Center Time Scene
1 PALSAR ALPSRP073377140 FBD 74 7140 -200 Ascending 2007/06/11 02:45:36.983 -2.080
2 PALSAR ALPSRP074107140 FBD 77 7140 -200 Ascending 2007/06/16 02:52:03.265 -2.064
3 PALSAR ALPSRP074837140 FBD 80 7140 -200 Ascending 2007/06/21 02:58:28.759 -2.066
4 PALSAR ALPSRP075127140 FBD 72 7140 -200 Ascending 2007/06/23 02:41:18.336 -2.066
5 PALSAR ALPSRP075857140 FBD 75 7140 -200 Ascending 2007/06/28 02:47:44.506 -2.065
6 PALSAR ALPSRP076587140 FBD 78 7140 -200 Ascending 2007/07/03 02:54:10.444 -2.057
7 PALSAR ALPSRP076877140 FBD 70 7140 -200 Ascending 2007/07/05 02:36:59.946 -2.063
Archives
narrow list: ALL
|< < 1/1 > >| (50)
batch order
start
AUIG - ALOS Informa...
https://auig.eoc.jaxa...
Inbox for ake.rosenq...
Compose: Fill-in proc...
Jau - central Am basin
Microsoft Excel - Fill-i...
EN
10:07


https://auig.eoc.jaxa.jp/?auig3sessionid=AA450D88AD4DE489DD541ECFB49D51D4 - ALOS Information Sy - Windows Internet Explorer pro
AUIG 3.0
Product Order and Obs. Request
Cart View
Customize
Help
UserID:P2170001
NO DATA
Search
Detail
PlaceName
SearchType
Archives
Obs.Plan
Obs.Request
Sensor
Single sensor
Synchronized Obs.
PRISM
AVNIR-2
PALSAR
Search Method
Rectangle
Point
Path/Frame
Scene ID
Downlink No.
W0526124001-04
by Downlink No. only
Obs. Day year/day/month
2007/06/07
2008/05/02
2006/01/24.-2009/12/31.
Searchable Term
Seasonal
catalogs per page
50
Auto. display in Map
Search
Save Condition
Load Condition
Reset
PALSAR
Archives
Ope. Mode
Select All
Remove All
Polarization
Off-nadir[deg]
FBS
FBD
WB1
WB2
DSN
PLR
Any
Orbit Direction
Browse Image
Trinidad and Tobago
Colombia
Venezuela
Guyana
Suriname
Brazil
Ecuador
Peru
Bolivia
Panama
Bogota
Medellin
Caracas
Georgetown
Paramaribo
Cayenne
Lima
La Paz
Brasilia
(-44.4659, 11.53480)
616.68 km
PSM
AV2
PSR
Cart
Sensor
Scene ID
Obs. Mode
Obs. Path No.
Center Frame No.
GRS Line No.
Orbit Direction
Scene Center Day
Scene Center Time
1 PALSAR ALPSRP076586870 FBD 78 6870 -1550 Ascending 2007/07/03 02:50:28.269
2 PALSAR ALPSRP076586880 FBD 78 6880 -1500 Ascending 2007/07/03 02:50:36.500
3 PALSAR ALPSRP076586890 FBD 78 6890 -1450 Ascending 2007/07/03 02:50:44.731
4 PALSAR ALPSRP076586900 FBD 78 6900 -1400 Ascending 2007/07/03 02:50:52.962
5 PALSAR ALPSRP076586910 FBD 78 6910 -1350 Ascending 2007/07/03 02:51:01.193
6 PALSAR ALPSRP076586920 FBD 78 6920 -1300 Ascending 2007/07/03 02:51:09.422
7 PALSAR ALPSRP076586930 FBD 78 6930 -1250 Ascending 2007/07/03 02:51:17.652
Archives
narrow list:
1/2
(58)
batch order
start
AUIG - ALOS Informa...
https://auig.eoc.jaxa...
Inbox for ake.rosenq...
Compose: Fill-in proc...
Jau - central Am basin
Microsoft Excel - Fill-i...
EN
10:06

Missing strips and replacement data

JRC-Fill-in request#1_27apr08.xls

	A	B	C	D	E	F	G	H	I
1		Fill-in processing request 1							
2		27-Apr-08							
3		Product Leader:	De Grandi/Rosenqvist						
4		Prototype area:	Central Africa - (E5, E6, E8)						
5									
6									
7		RSP #	570	569	567	558	556	552	
8		N-Lat. [XX.x deg.]	18.0	18.0	18.0	18.0	18.0	18.0	
9		S-Lat. [YY.y deg.]	-18.0	-18.0	-17.5	-3.0	-2.0	-1.0	
10		Obs date	25/9/07	8/9/07	20/9/07	21/10/07	17/9/07	11/10/07	
11		Downlink segm.#	W0610570001-06	W0593569001-04	W0605567001-05	W0636558001-06	W0602556001-06	W0626552001-04	
12									
13		RSP #	589	588	585	581			
14		N-Lat. [XX.x deg.]	18.0	18.0	18.0	18.0			
15		S-Lat. [YY.y deg.]	-24.0	-24.0	-24.0	-24.0			
16		Obs date	26/9/07	9/9/07	20/10/07	28/9/08			
17		Downlink segm.#	W0611589001-05	W0594588001-06	W0635585001-05	W0613581001-06			
18									
19		RSP #	611	609	606	605	604	602	
20		N-Lat. [XX.x deg.]	-7.0	-3.0	4.0	6.0	9.0	13.0	
21		S-Lat. [YY.y deg.]	-24.0	-24.0	-24.0	-24.0	-24.0	-24.0	
22		Obs date	2/9/07	14/10/07	9/10/07	22/9/07	21/10/07	17/9/07	
23		Downlink segm.#	W0617611001-06	W0629609001-07	W0624606001-08	W0607605001-06	W0636604001-08	W0602602001-07	
24									

Fill-in #1 | Sheet1 | Sheet2 | Sheet3

Ready Sum=0 SCRL CAPS NUM

Email to **ALOS-KC@jaxa.jp**

Advanced Land Observing Satellite

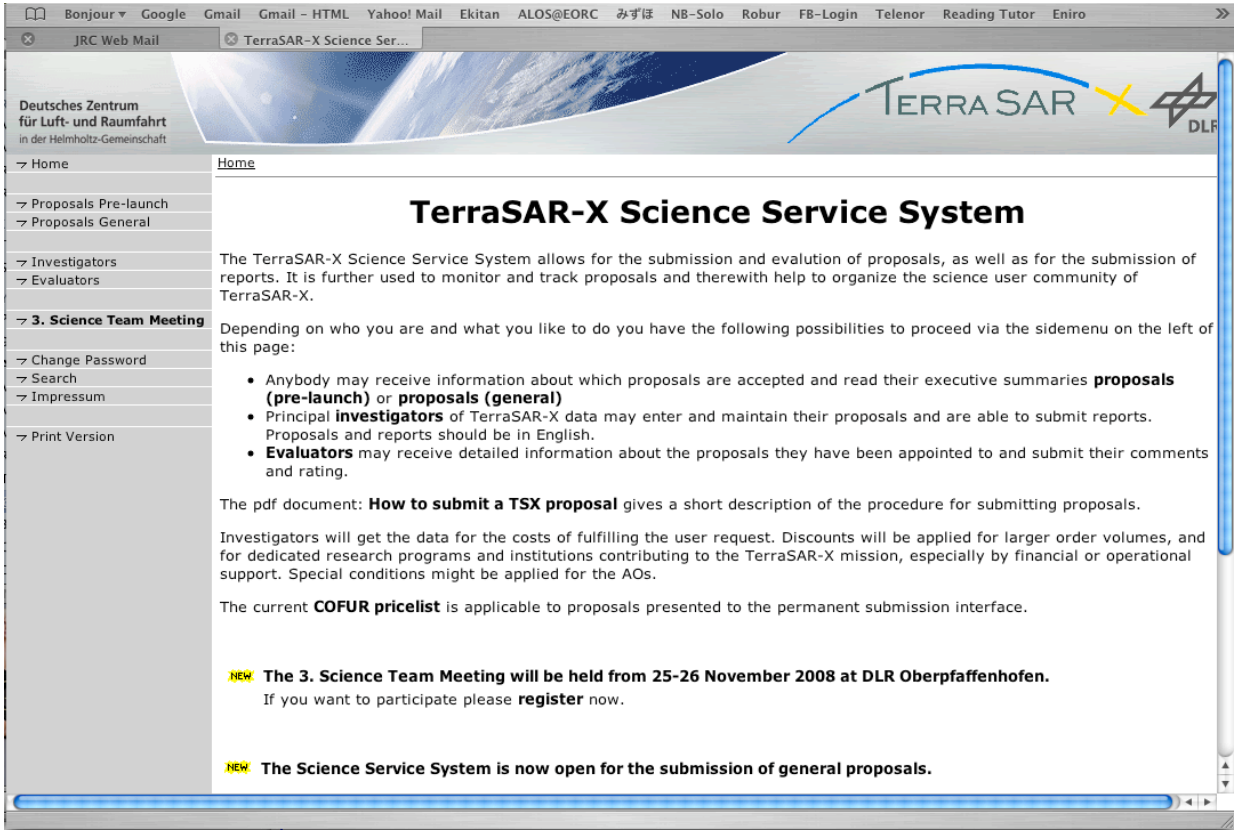
TerraSAR-X

Data available for K&C Science Team

Japan Aerospace Exploration Agency

TerraSAR-X data available for K&C

http://sss.terrasar-x.dlr.de



- Register as general investigator
  Submit a short project proposal

Advanced Land Observing Satellite

K&C Wiki site up running!

Wiki Bulletin Board replaces the K&C Newsletters

Japan Aerospace Exploration Agency