



# PALSAR Data Distribution for K&C Scientists

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K&C Meeting @ EORC.JAXA

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# Providing Data for K&C Scientists

- ✦ Fine beam (ascending mode at HH@41.5° and HH+HV@41.5° ):

- ✦ 50 m Slant Range Path image (SLP)
- ✦ 50 m Ground Range Path image (GRP)
- ✦ 50 m Ortho (DEM) corrected path image (ORP)

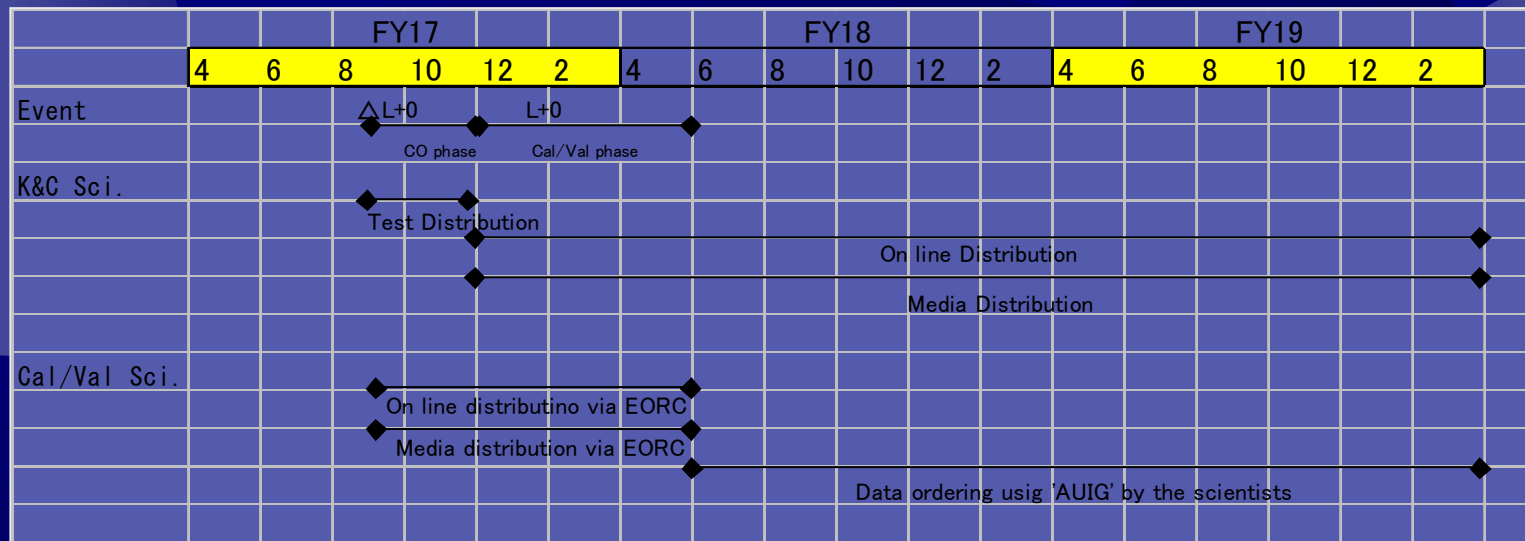
Pixel spacing 50 m for all Fine Beam products.

- ✦ ScanSAR (HH, 5-beam):

- ✦ SLP, GRP, ORP product levels as of above
- ✦ Pixel spacing 70 m for all ScanSAR products
- ✦ Radiometric calibration of individual beams to be performed by JAXA. Following successful calibration, ScanSAR products will tentatively be delivered as single (combined-beam) files.

# Providing Data for K&C Scientists cont.

- Present schedule of data distribution.





# Providing Data for K&C Scientists cont.

- ✦ EORC can provide the data both on-line (FTP) and by physical media (S-DLT)
  - ✦ Scientists can choose either of the above.
    - However, we will strongly recommend users requesting large data amounts (e.g. Mosaic Theme members) to choose physical media.
    - Results from the forthcoming on-line transfer tests should be taken into account by each scientist in their (FTP v.s. media) selection.

# Archive Data

- ✦ PALSAR datasetd will be archived in “tar” and “gzip” formats for each directory unit.
- ✦ Archive dataset will be named as

XXRSPSSSEEEBBBIIIIP.tar.z

XX: Cycle#

RSP: RSP#

SSS: Start geological latitude (No decimal)

EEE: End geological latitude (No decimal)

BBB: Product code

III: Operational mode code

PP: Polarimetric code



# On line data transfer test

- ✴ To investigate the on-line data transfer feasibility between EORC and K&C scientists
- ✴ Test will be undertaken between 13 Mar. and 27 Mar.
- ✴ Following the test, please provide us with the following feed-back.
  - ✴ Accessibility of the FTP site
  - ✴ DL time (Start time and end time for each file).
  - ✴ Extraction of files (“tar” and “gzip” extracting).

# On line data transfer test(cont.)

✱ Anonymous FTP access to following address.

✱ <ftp.eorc.jaxa.jp>

✱ No passive mode (high port) access available.

✱ Your network administrator may have information about this matter.

# On line test (cont.)

- ☀ We will inform each of you of your individual target directory path.
- ☀ We will inform each of you of the invisible directory name to be used as your “password” .
- ☀ Directory structure for the FTP site as of below:

Anonymous Dir. (visible)	Members Dir. (invisible)
/<FTP \$HOME>	
/pub	
/ALOS	
/K&C	
	/iyu47rYuuf
	/JhU7&gT
	/Knmn88sW



- ☀ We need K&C members to provide us with specific request information to help us to identify datasets for processing.
- ☀ This information will be collected during this meeting.

Product Leader: Ernst Ramborg

Affiliation: Hotaheiti University

Country: Fiji

K&C Theme: Forest

Ascending mode (HH or HH+HV 41.5°)

Total #scenes	Total #passes	Average pass [km]	Data [Kbyte]
2,679	261	719	69

despanding mode ScanSAR

Total #scenes	Total #passes	Average pass [km]	Data [Kbyte]
1,051	136	2,706	231

Ascending mode

HH 41.5° & HH+HV 41.5°

Prototype area 1: Borneo, west Java

PALSAR polygon(s): B3

Proc. level \*\*: SLP / GRP

ORP-GEO / ORP-MER / MOS: SLP

Media (FTP or S-DLT): FTP

Ascending subtable 1

#scenes/coverage	#passes/cov	Mbyte/cov	
306	27	600	
#cov	#scenes	#passes	Total Gbyte
8	2,451	216	67.2

Prototype area 2: Iceland

PALSAR polygon(s): D3

Proc. level \*\*: SLP / GRP

ORP-GEO / ORP-MER / MOS: SLP

Media (FTP or S-DLT): FTP

Ascending subtable 2

#scenes/coverage	#passes/cov	Mbyte/cov	
76	15	149	
#cov	#scenes	#passes	Total Gbyte
8	229	46	2.2

Prototype area 3:

PALSAR polygon(s):

Proc. level \*\*: SLP / GRP

ORP-GEO / ORP-MER / MOS:

Media (FTP or S-DLT):

Ascending subtable 3

#scenes/coverage	#passes/cov	Mbyte/cov	
0	0	0	
#cov	#scenes	#passes	Total Gbyte
0	0	0	0.0

6th K&C Science meeting, Feb 28 - Mar 3, 2005

Summary of K&C PALSAR data requested from JAXA EORC by Ernst Ramborg

Fill in the requested information in the empty boxes.

Satellite cycles during which data are requested (mark below with "1")

Year	2006												2007												2008												
Month	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11		
Cycle#	3	4					7	8	9	10	11	12		15	16	17	18	19	20	21	22	23	24	25	26	1						1	1	1			
Reaz = L							1	1	1	1	1	1														1						1	1	1			

6th K&C Science meeting, Feb 28 - Mar 3, 2005

Product Leader: Ernst Ramborg

Prototype area 1: Borneo, western Java

Ascending mode

HH 41.5° & HH+HV 41.5°

Prototype Area 1

Fill in required latitude information for each RSP pass covering the Prototype Area(s).

RSP #	390	389	388	387	386	385	384	383	382	381	380	379	378	377	376	375	374	373	372	371	370	369	368	367	366	365	364	363	362	361
NLat [XX x deg.]																														
S-Lat [YY y deg.]																														
Segment length [deg.]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
# scenes / (band)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RSP #	420	419	418	417	416	415	414	413	412	411	410	409	408	407	406	405	404	403	402	401	400	399	398	397	396	395	394	393	392	391
NLat [XX x deg.]	6.0	6.0	8.0	8.0	8.0	8.0																								
S-Lat [YY y deg.]	-3.0	-3.0	-1.0	-1.0	0.0	0.0																								
Segment length [deg.]	9.0	9.0	9.0	9.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
# scenes / (band)	14.3	14.3	14.3	14.3	12.7	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RSP #	450	449	448	447	446	445	444	443	442	441	440	439	438	437	436	435	434	433	432	431	430	429	428	427	426	425	424	423	422	421
NLat [XX x deg.]									-3.0	-3.0	-3.0	-3.0	-3.0	-3.0				2.0	2.0	2.5	2.5	3.0	3.0	4.0	4.0	4.0	4.5	5.0	5.5	6.0
S-Lat [YY y deg.]									-8.0	-8.0	-8.0	-8.0	-8.0	-8.0				-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0
Segment length [deg.]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	4.8	0.0	0.0	0.0	7.0	7.0	7.5	7.5	8.0	8.0	9.0	9.0	9.5	10.0	10.5	11.0
# scenes / (band)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0.0	0.0	0.0	11.1	11.1	11.9	11.9	12.7	12.7	14.3	14.3	14.3	15.9	16.7	17.5

RSP #	480	479	478	477	476	475	474	473	472	471	470	469	468	467	466	465	464	463	462	461	460	459	458	457	456	455	454	453	452	451
NLat [XX x deg.]																					8.0	8.0								
S-Lat [YY y deg.]																					3.0	3.0								
Segment length [deg.]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
# scenes / (band)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

# Product Information

- ☀ We would like members to give us following information.
- ☀ This information help us to identify the status of processing.

Code and Parameters	Format	Details	Examples
Requested User Name	A36	Name of requested user in alphabet, blanks and dots.	Alexander I. Zakharov
Requested User Affiliation	A36	Affiliation of requested user in alphabet and blanks	Swedish Research Agency
Cycle Number	I4	Requested cycle number in following format 'NNNN'	0023
Processing Level	A3	Requested processing level in following code. 'SLT':SlantRangePath/'ORT':OrthoPath/'GRD':GroundRangePath	SLT
Path Number (RSP)	A6	Requested RSP number in following format. 'RSPAAA'	RSP001
Scan Number Code	A5	Requested scan number in following code. '0SCAN':Without ScanSAR/'5SCAN':5 scans	0SCAN
Start Path	F10.5	Start latitude of the path	35.00000
End Path	F10.5	End latitude of the path	23.45678
Data Distribution Code	A4	Requested media for data delivery in following code. 'SDLT':SDLT/'FTPb':On-Line	SDLT
Ascending Node Code	A3	Ascending or Descending in following code. 'ASC':Ascending/'DSC':Descending	ASC



## Product Information (cont.)

★ We are now developing the system to inform product processing status to the K&C Science Team:.

- ★ Information about requested products from each scientist
- ★ Status will be...
  - ★ Ready to process
  - ★ Processed
  - ★ Ready to download

# Future Plan

- ☀ Both mosaic status and product processing status will be made available for browsing on the EORC WWW site. Like...

