# 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)
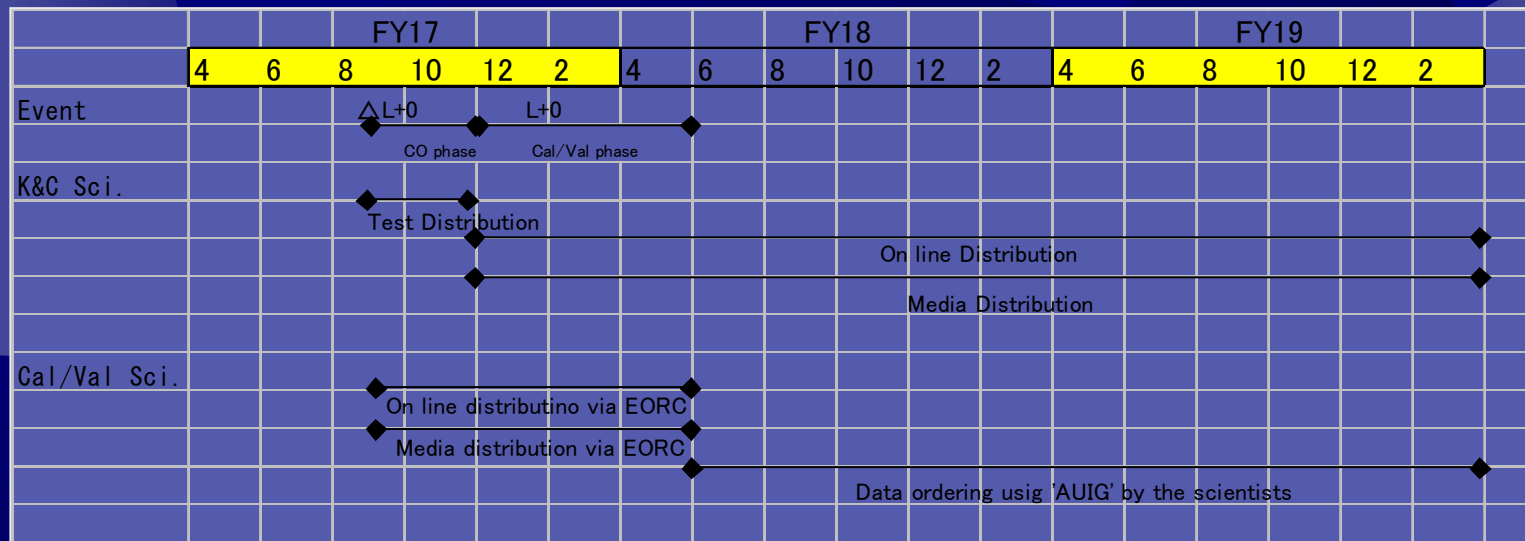
  ✳ 50 m Ortho (DEM) corrected path image (ORP)

  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.

| | | | | FY17 | | | | | | FY18 | | | | | | FY19 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4 | 6 | 8 | 10 | 12 | 2 | 4 | 6 | 8 | 10 | 12 | 2 | 4 | 6 | 8 | 10 | 12 | 2 |
| Event | | | △L+0 | | | L+0 | | | | ◆ | | | | | | | | | |
| | | | | CO phase | | Cal/Val phase | | | | | | | | | | | | | |
| K&C Sci. | | | ◆ | | ◆ | | | | | | | | | | | | | | |
| | | | Test Distribution | | | | | | | | | | | | | | ◆ | | |
| | | | | | ◆ | | | | | On line Distribution | | | | | | | | ◆ | |
| | | | | | | | | | | Media Distribution | | | | | | | | | |
| Cal/Val Sci. | | | ◆ | | | | ◆ | | | | | | | | | | | | |
| | | | On line distributino via EORC | | | | | | | | | | | | | | | | |
| | | | ◆ Media distribution via EORC | | | | ◆ | | | | | | | | | | | ◆ | |
| | | | | | | | | Data ordering usig 'AUIG' by the scientists | | | | | | | | | | | |

# 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 take in 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

XXRSPSSSEEEBBBIIIPP.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: Polarimatric 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) |
| --- |
| |
| /<FTP $HOME> |
| /pub |
| /ALOS |
| /K&C |

| Members Dir. (inivisible) |
| --- |
| /iyu47rYuuf |
| /JhU7&gT |
| /Knmn88sW |

# Product request information

🌟 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 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 Distrbution Code | A4 | Requested media for data delivery in following code. 'SDLT':SDLT/'FTPb':On-Line | SDLT |
| Acsending 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…



JERS-1/SAR
Southeast Asia
Mosaic Image