December 1, 2009
RESTEC

Releasing New ALOS RPC file Products

We are pleased to announce the release of new ALOS RPC products on October 24, 2009, the 3rd anniversary of ALOS data distribution.

1. Products Summary
   i. Product Name
      - PRISM Level 1B2 + RPC
      - AVNIR-2 Level 1B2 + RPC
   ii. Sensors
      - PRISM (Panchromatic Remote-sensing Instrument for Stereo Mapping)
      - AVNIR-2 (Advanced Visible and Near Infrared Radiometer type 2)
   iii. Format
      - GeoTIFF
      - RPC (RESTEC Original (*1))
   iv. Processed Level
      - 1B2 (*2)
   v. Options
      - Same to Level 1B2 standard product on ALOS optical sensors.
   vi. Price
      - Price of standard product plus JPY5,000.
   vii. Other
      - Other specifications such as coordinate system are the same to ALOS standard product.

2. Product Characteristics
   i. Improved accuracy in modeling
      - "PRISM L1B2 + RPC Product" is much less affected by the possible error of the data related to CCD alignment and satellite attitude compared to "PRISM L1B1 + RPC Product".
   ii. User friendly format
      - The image file of "PRISM L1B2 + RPC" is offered in GeoTIFF format while we offered CEOS and NITF for "PRISM L1B1 + RPC".

- GeoTIFF data + RPC combination is generally used in the field of aerial mapping. Therefore, this new product could be handled with general-purpose software that can read RPC file. For your information, the remote-sensing software listed below are confirmed to support the new products.
  - ERDAS IMAGINE
  - ENVI
  - PCI Geomatica

iii. Releasing AVNIR-2 data + RPC.

- This is the first RPC file products for AVNIR-2.

3. Others (Link)
   i. Sample products
   ii. Product specification
   iii. Evaluation report on accuracy

(*1) The format of RPC file is RESTEC original and abstracted text from generalized NITF format.

(*2) This L1B2 data is generated from JAXA L1B1 and geometrically processed by RESTEC. While this data is not exactly same to L1B2 product processed with JAXA software and offered by RESTEC as “Standard Product”, the geometric accuracy of the data is confirmed to be almost same to the Standard Product.