

UNAVCO WInSAR Archive
Status Update
July 26, 2007

Orders/Ingestion of ERS scenes:

- UNAVCO has ordered over 1000 scenes in 2007; over 750 of these have been received and ingested. ESA prepares the scenes and puts them on a password protected ftp pickup area. UNAVCO regularly checks this area, downloads new files and ingests them into the UNAVCO WInSAR Archive.
- There are over 600 scenes in the queue to be ordered and we plan to place orders for these as time allows, we hope within one month.

Envisat Ingestion Progress:

- Stanford's Envisat ingestion software was ported to UNAVCO. UNAVCO received and ingested 90 new Envisat scenes this month. Envisat strip, wide swath and processed (IMP) products are also available under <http://winsar.unavco.org/ancillary.php> (see below).
- There are still problems with the metadata that is associated with this ingestion process: the latitude computation appears to be in error by as much as a degree in some cases, and significantly off in most cases. We have not solved this problem.
- We are testing changes to the database and ingestion to allow long (>~20 seconds duration) products to be ingested/cataloged in a sensible way so that these products can be identified and accessed through the search GUI. Currently the ingestion assumes one 15 second frame per product.

Holdings summary:

- The WInSAR UNAVCO node has 4944 cataloged scenes.
- There are categories of holdings that are not yet able to be cataloged/ingested into the WInSAR Archive. The categories are the Envisat strip, wide swath and processed (IMP) products mentioned above, and ALOS, and Radarsat data. These are available for download at <http://winsar.unavco.org/ancillary.php>. A separate document describing how to search and access cataloged data and what is available in the uncataloged category and is being prepared.
- UNAVCO has been working on the database modifications and software systems that will allow cataloging and ingestion of the above-named categories. This effort is expected to take several more months.