

Status Report November 2005

Problems at NCRFC

NCRFC had problems in mid-November. The problem was database errors due to apparently bad sectors on the hard drives that corrupted one of the chunks that make updbsp1. The RFC was able to restore the archive db from one of there level zero archive tapes. NCRFC is still working on recovering lost flat files from the original failure.

Other Bug Fixes

NCRFC has been provided with a new version of get_params, to test to see if the bug they reported earlier this past summer has been fixed. Testing will not occur until the rebuild of their rax is completed.

WGRFC and APRFC have tested new versions of all the level 1 processors, and these new versions will be available shortly on the ftp site of the RFC Support Group.

Move to postgresSQL, Build OB7

The postgresSQL version of the raw shefdecoder is currently being tested at HL. This testing started in mid-November. So far we've had some unexplainable problems with the raw shefdecoder suddenly having problems opening, reading and deleting files after having been running for about two days with no problems. This problem causes the raw shefdecoder daily log file to get unusually large where it eventually fills the /rfc_arc partition. When the raw shefdecoder is working data is successfully getting posted to the appropriate tables. Once this current problem is worked out, Juliann Meyer still plans to do some specific performance testing, collecting information on inserts and updates to pseudo-array tables versus single value per row tables. Also need to ensure that recent bug fixes to the OB5/OB6 versions of the raw and processed shefdecoders are included in the OB7 versions of the decoders.

The field programmers are just getting started on converting the many applications that are part of the RAX baseline. So far, just a handful of scripts that can be tested at this point, work in the ob7 environment.

Transition of OHD Archive Scripts

Agreement on a revised directory structure for the flatfiles archives has been completed and ok'd by all the RFCs. Chart of this revised structure can be found on the RAXUM website at: <http://www.nws.noaa.gov/oh/rfcdev/docs/Visio-ArcFFTtree5.pdf> .

Victor Hom, NERFC, has completed a set of scripts to create the directories for years 2006 forward to 2015 as well as a new version of the flatfile viewer apps. For years 2005 and before, each RFC will have to manually make the changes. These scripts will be available from the RFC Support Group shortly.

Several people from various RFCs are actively looking at modifying the OHD scripts as needed to accommodate the directory structure changes. In addition postgresSQL version of the scripts that collect data from the IHFS database are being worked on. Also hope to have these scripts available in December as well.