Status Report June 2005

New Bugs in OB5 shefdecoders reported

Since mid-May two bugs with the OB5 shefdecoders have been reported. These bugs are:

1) Shefdecoders, raw and processed, do not post data before 1970 to the database properly. It appears that if the year is before 1970, that the decoders change the year to 1970 and then post the data.
2) The raw shefdecoder is not using datalimits/locdatalimits data properly for the gross and reasonable range tests. The test results are not always written to some of the SHEF data value tables.

In addition, a limitation of the parsing portion of the decoders was (re-)discovered. Data before 1976 must be coded in ZULU as the parser cannot handle daylight savings time before then. The parsing error message one will see is: Error 48 - For dayl savgs time, check Apr or Oct for 1976 thru 2040 only

Requirements Request

The revised document along team response to comments was sent out to the field in mid-June. An enhancement request based on this revised document was sent to OCWWS/HSD/RFC Support Group.

Build OB6

The ob6 build information is now on the RAXUM web site. The link is: http://www.nws.noaa.gov/oh/rfcdev/docs/BuildInfoOB6.pdf

Move to postgreSQL, Build OB7

A long, over due update of the timeline for this phase, build ob7, is now on the RAXUM website. The link is: http://www.nws.noaa.gov/oh/rfcdev/docs/RAXtimeline2.pdf

The first milestone of the move to postgreSQL has been met. A conference call, June 15th with Juliann Meyer and the following OHD and HL personnel Donna Page, Jon Roe, Chris Dietz and Paul Tilles was held . This call reviewed the changes to the RFC Archive DB schema Julie proposed. Preliminary approval was received.

The lab should have the set-up of the ax2-nhdr system with both versions of postgreSQL completed by the end of June. This hopefully will include the postGIS plug-in on both versions. In the meanwhile, Julie has completed the queries that will create the RFC Archive DB. She is now working on unloading selected data from MBRFC's RFC Archive DB and creating any needed awk scripts to reformat the data to fit any data type and table changes. Julie is also coordinating with some of the programmers to collect an assortment of typical queries that will be used in the testing. The test will help determine which version of postgreSQL will provide the best performance for the RFC Archive DB.

Just a reminder, all software enhancements and any new application development is being frozen at the ob6 delivery. Only bug fixes will be worked on for the next year.