

Status Report April 2004

As you may or may not be aware, Monica Toth, contractor OHD/HL, is no longer at the lab. Her last day was April 15, 2004; she will be missed but the team wishes her all the best. Monica was the primary programmer working on the redesign of the raw and processed shefdecoders. At the time of her leaving the raw shefdecoder was essentially complete and was being tested. The work on the processed shefdecoder had just begun a few days before she left. Another OHD/HL programmer, Hank Herr, stepped in and has completed the work on the processed shefdecoder. As of April 27th it is also being tested. Initial testing is being done on the nhdr system at OHD/HL. The team greatly appreciates the effort Hank has made getting this enormously important task completed.

Most, but not all of the features that the RFCs asked for will be in the OB4 version of the shefdecoders. Features available with the OB4 delivery include the following:

- there will continue to be two rfc archive shefdecoders (raw and processed),
- both decoders will use the same parser as the IHFS shefdecoder,
- the format of the log files (daily and product) will be changed to be similar to the log files of the IHFS SHEF decoder, and
- the incoming directory for the shef_decode_raw will remain on the ds and be mounted to the rax, while the shef_decode_processed incoming directory will remain on the rax with no mount back to the ds.

There was just not enough time to do everything this time around. In particular, only limited posting summary information is available. Detailed posting error information similar to what is in the IHFS shefdecoder logfiles is still not available. This will be put on the list as an enhancement to be made to both decoders for the OB5 release. In addition, bug reports related to the shefdecoders r1-3, 4 and 6 have been fixed. Please see the following website http://www.nws.noaa.gov/om/water/RFC_support/Archive_database.shtml for details. There was not time to address bug report r1-19 so it will be added to the list of things to do for the OB5 release.

Several other applications that SHEF-encode data had minor changes in order to accommodate how both shefdecoders now handle naming of the product output log files. These applications include all 7 level 1 processors and the three SHEF-encoding applications for data from other sources (i.e. DATACARD, NRCS and USGS). These have also been delivered for inclusion in the OB4 release. Special thanks to Brenda Alcorn, CBRFC, who supports these applications for finding the time to make the necessary code changes.

Progress is slowly being made on fixing typos and beefing up selected pieces of documentation, as well as writing new documentation. Several new items have been added to the on-line documentation site this past month.

The team will now focus on two areas... completing tasks unrelated to software releases and planning for the OB5 release.