

STATUS REPORT - August/September 2007

Rax Problems

LMRFC off and on since late May has been having errors like the following:
“ERROR: could not read block 3664802 of relation "pecrsep": Input/output error”.

Recently NERFC reported similar error message when trying to do pairing for verification. In the case of LMRFC it was noticed because the run_vacuumdb script was failing due to this error and it was also discovered that the cron_PGbkups was failing with a similar error. While NERFC was able to make the error go away by doing a system reboot and manual vacuum, the problem at LMRFC has not been satisfactorily resolved.

Please routinely check and ensure the cron jobs for vacuumdb and database backups are successful. The easiest way is to check the logfiles. The logfile, cronBU.log, for cron_PGbkups should always be zero in size. The logfile, vdbLog.out, for run_vacuumdb should end with the word VACUUM.

Also make sure you keep a copy of your RFC Archive DB backups on another part of awips. That way, if there is a hard drive problem on the RAX, you have a copy saved off that you can recover from even if it is not the most recent dump.

HOSIP Project: Synchronize RFC Archive DB & IHFS DB Metadata

The lab has made quite a bit of progress in September on both the batch apps and the GUI application.

RAX Discrepancy Reports

Here is a list of the currently open RAX DRs. Additional information on these DRs can be found at: http://sec.noaa3.awips.noaa.gov/dr_display/index.html

DR#	Date Submitted	Title
18795	3/21/2007	OB7.2: Fatal DatView Editor Error
18797	3/21/2007	OB7.2: The RFC Archiver SHEF Ref Tables Need Updating
18798	3/21/2007	OB7.2: RFC Archiver Shefdecoder Incorrectly Testing Data Limits
18800	3/21/2007	OB7.2: OFSSHEF Program Mishandling Missing Data
18870	4/3/2007	OB7.2: DatView Will Not Display More Than Fours Years of Stage Data
18921	4/16/2007	OB7.2: ofsshef Not Correctly Calculating Flow in CMS
18949	4/23/2007	OB7.2: No PostagresQL log file on RFC Archive Server

RAX Small Enhancements

There is currently one Small Enhancements request, it is DR #18810 submitted 3/22/2007 entitled: "Small Enhancement: Inclusion of Tide Data into the Archive DB and Verification". The AWIPS SREC has scheduled this enhancement for ob8.3.

Future Archive Requirements

In the next few weeks, an OSIP project will be started to define the RFC archiving requirements for the upcoming science and technology enhancements (ensemble and distributed modeling, CHPS, additional verification requirements, etc.). A complete requirements definition is needed to allow AWIPS to properly plan to accommodate the RFC needs.