Node0613 Upgrade

Diary

Mon, May 7, 2001

We had hoped to start this upgrade on Friday, May 4, but the Beams Division network server node was down due to loss of air conditioning in the Computer Room. A backup system failed, and ensuing alarm messages about the high temperatures were ignored by MCR personnel. From data that was logged, it was determined that the temperature had reached 95 F.

Today, Monday, May 7, crusher.fnal.gov first had to be brought back up. It is importasnt because we boot all PowerPC nodes from that development system node. Since crusher is to be retired by the end of the year, we must transfer our files onto nova.fnal.gov, which is not to be retired so soon. Until this transfer has been successfully accomplished, crusher needs to be considered "operational."

After DABBEL downloading, the hardware connections were switched with the SRM and also the little console. All devices in the old node0614 of the station 3 variety were removed from the alarm scan in node0614, since they now reside in node0613.

After Larry did an Acnet restore to recover saved settings and alarm parameters, there were indications of "17 –10" errors. We had thius the last time, and it staopped happening after awhile, so we ignored it this time, in hopes that it will go away by itself. It may have something to do with network hardware.

The new node was declared "alarmable" and "operational," in hopes of getting AEOLUS alarms to work. But it seemed not to be enough. Seung-chan Ahn is being consulted. The beam inhibit control line will be hooked up later.

All the required local application entries were enabled, including AERS and the usual suite of low energy Linac closed loops.

In order to get downloading of analog descriptors for the combined binary status channels, we must have Reading properties defined via DABBEL. This is not critical for Acnet, but it is useful for the front-end records.

The System HV status bit is not working, for an unknown reason. Pulling off the jumper at the end rack results in a "1" due to the pull-up resistor on the digital input lines, and that status shows up properly on the display. But turning off the HV really does not cause this status bit reading to change. Linac hardware folks will investigate this one.

Control of the local application enable bits does not work via Acnet. We are looking into the special Acnet devices that are used by that Acnet page application.