

THE COMPUTER NAMES HERE ARE NOT VLAID

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TROUBLE WITH NMR COMPUTER

DO NOT reboot this computer without first calling a target expert!

Symptoms

Computer "totally dies" - falls out of graphics mode:

- Rotate lower camera to far right, to desk on target platform

- Observe the right computer monitor on the desk

- If there are 5 to 8 lines of plain text, computer needs rebooting

NMR program disappears, leaving only a WINDOWS desktop:

- Look for typical icons on left of screen: My Computer, Recycle Bin, etc.

- If icons are there, LabVIEW (a programming environment) died

NMR program disappears, leaving only a LINUX desktop

- Look for a dark grey, textured desktop background, and a single xterm

- If this is ALL that you see (no Windows stuff), the VNC Viewer died

NMR signal often looks ugly, sometimes giving very large polarizations:

- The timing of the ADC card is off, LabVIEW needs to be restarted

The mouse works but the keyboard does not:

- This is a VNC problem

- Hit Ctrl-C to kill the viewer

- Restart the viewer

The mouse magically moves on its own:

- Someone else is running a VNC viewer, usually a target expert checking in

- No further action is necessary

Procedures

Restart the VNC Viewer:

- From an xterm on kernow, the target NMR computer, type "nmr"

- If this script does not work, type the following:

 - vncviewer -shared -passwd ~/.vnc/passwd poltar13:0

- The above commands should work on kernow, cdaq11 and cdaq12

- You may want fullscreen mode: hit F8 and select Fullscreen

Restart LabVIEW:

To quit from labview: File->Quit. Answer no to any "Save Changes?"
Double click "TPS System Start", lower right of Windows desktop
Select "Run Choice A"
Several Windows will appear
All windows except "Polarization Display Panel" may be minimized
Double click "Yale DC Convert" icon, lower right of Windows desktop
Start the NMR taking data on the desired channel
Run the Yale DC Convert program once or twice (white button on toolbar)

Reboot the NMR Computer

DO NOT reboot the counting house computer, kernow. It is only a terminal
The computer to be rebooted is in the SOS hut
Open the "Rebootpanel" program on the Shift Worker's computer (CRL
desktop)
Select "Enable Buttons" from the Configure menu
Press the "Target Computer" button once. The buttons will go grey again
Using lower camera, watch the right computer monitor to see boot progress
When boot completes, a blue background with a small dialog box will
appear
Start the VNC viewer program from kernow (see above)
Click "OK" when asked for the Administrator password
Wait until the Windows desktop appears
Restart LabVIEW (see above)