Data U setup:

Windows:

PLC temps and regulator voltages
chamber vacuum
crad06/crad04 ratio
xfp/mcp ratio spreadsheet

U6PC2

online spectra monitoring
elog server
elog client
caen voltages

U6PC3

daq
motherboard control
scalers
switcher
pulser

Shift Duties
For Everyone

Please arrive at least 15 minutes prior to the beginning of your shift
Please be prepared to stay late if needed
Bring a laptop if you have one
Try to learn as much as you can about what others are doing during the experiment while focusing on your own tasks
DO NOT MAKE CHANGES TO SPECTCL SOURCE CODE WITHOUT TALKING TO SHIFT LEADER
Have fun! As nuclear experimentalists, beam time is what we live for.

Shift Leaders

Notify operator of the shift change
Obtain experimental status from previous shift leader
- run number
- beam
- target
- problems or potential problems
- changes since last shift
- things to do over next 8 hrs

Ensure that everyone is monitoring their stations and the shift goes smoothly

Fix any problems that arise
Attend 8am meeting and short meeting
Make sure there are elog comments for every run

Run Control

This is the most important position! If the system hangs up or we lose beam, you will be the first to know and need to notify the shift leader

Note any changes, problems, issues in elog and physical logbook

At beginning of shift

- make elog note of shift change
- get status from previous run control person

Things to do every run (once an hour)

- Fill out elog at beginning of each run
- Fill out run sheet at beginning of each run
  be sure to write down scalers

Things to monitor during runs

- Chamber pressure
- motherboard temp
- motherboard regulator voltage
- run size (should be less than 1gb)
- scaler rates

discriminator rates
data trigger rate and live time

Things to do every few runs (once per shift)

- print barney
- fill out leakage current for EB
- print caen voltages
- print plc

Things to check whenever someone goes into vault

- Note whatever they change
- Specifically keep track of changes in patch panels
- Periodically check chiller water level and possible flush chiller
- check chamber grounding

Online spectra to monitor

xfp efficiency, add 8% to our measurements
HiRA pid
asics summary
hit pattern
s800 monitor
mcp monitor