

Sector 7 operation update

Eric Dufresne, TRR group meeting, Jan. 20, 2009

- Congratulations to Don Walko for his recent promotions this fall!
- DW and ED reinstalled the monochromator PID loop and automatic shutter opening in November following the decommissioning of the a2 crate (old Next Step driver crate).
- The 7ID PSS has some hardware changes this shutdown to remove the active/standby logic. The validation should be completed this shutdown.
- The 7ID-B control area has been reserved as the 7BM-B user area. In the future, 7ID users will use the 7ID-C area when working in 7ID-B. The motor 7ID-B motor rack will be moved to the 7ID-C area.
- B. Adams just received two new gatable MCPs for the streak camera, and tests are underway.
- The 7ID 2009-1 schedule was sent to users last Friday.
- Harold Gibson has completed our assigned quota for the electrical inspection mandate from DoE.
- The IT group has reconfigured all our file systems and created a new virtual server that should isolate users of sector 7 from other sectors of the APS.

7BM construction (p2)

- The 7BM Final Design Report was approved by the APS in Nov. 2008. Much work is ongoing to build the 7BM beamline (see pictures).
- Emergency power was completed in the fall to supply the vacuum controller on top of 7BM-A.
- A labyrinth on the downstream end of 7BM-B was also installed.
- The old 7ID monochromator was taken apart, the table given to 8BM and the tank to 11ID.
- The completion of the 7BM project is helping out the sector's staff housekeeping effort.

S7 R&D (cont.)

- The APS Scientific Advisory Committee held an AMOC review on Nov 5, and 6 2008. Several talks and posters from work done on sector 7 were presented, and the review went very well.

7ID pictures



Relocation of 7ID-C control Rack.



7ID-C and D PSS modification: no more Door close button mounted on RHS door
On unistrut. No more active/standby logic.

7BM pictures today



7BM-B



Multilayer mono



P6 shutter, 7BM-A



Downstream of P6



7BM-A
roof
EPS,
Motor,
IOC



Water
System
&
vacuum
rack