

# S7 operation update

Eric Dufresne, TRR group meeting, September 19, 2006

- All the items raised during the Aug. Safety walkthrough by Paul Rossi and George Srajer have been mitigated.
- The 7ID schedule was posted on the WWW.
- ED's progress this week was slowed down by APS server problems. Despite computing problems, a preliminary design study of pink beam optics for the ps-beamline was completed. EL has been studying laser and x-ray synchronization issues for the new ps capability.
- DA, HG and technicians from AES are moving the L5-20 motor drivers to the roof of 7ID-A. Cables were removed from the cable trays and will be reterminated.
- DA contacted Tim Graber from S15 and he agreed to help next Wednesday to clean the first crystal of our diamond (111) monochromator.
- DA cleaned up also cables in the 7ID-A and B hutches, as well as he removed one of the vacuum rack at the end of our sector to consolidate the vacuum and control equipment and add space to the end of the sector.
- DA also added capabilities to his MDA utilities to easily parse MCA data. Contact him for details.

# Shutdown activities (cont.)

- BA is working on the streak camera in 7ID-C for tests this fall. See his talk on the streak camera for more details.
- EL has procured laser and x-ray BPM and new laser and x-ray BPM will be installed on the beamline this shutdown.
- Work by Mark Erdman (AES) on the pilar post in 7ID-D and E to help the laser stability is going well and should be installed early in the run.
- Tim Money has started to work on the 7ID-D EPICS upgrade to 3.14. He was also delayed by APS server problems.
- DW repositioned the 7ID-D Huber diffractometer to better intercept the focused beam in 7ID-D. He also set up pressure sensors to electronically monitor the 7ID-B and C hutch flight path vacuum. He also reorganized and re-labelled the vacuum racks with DA.

# 7ID R&D

- Ali Khounsary wrote a nice paper on results obtained from March 06 on Be refractive lenses. The work is available on the Publication section of our web site.
- ED and EL presented talks to the XSD Picosecond beamline workgroup chaired by Jin Wang.