

# S7 operation update

Eric Dufresne, TRR group meeting, Sept. 7, 2007

- In late Aug., DW and DA noted that our Sector 7 book library has significantly vanished. Many of our books have been stolen. The remaining books have been locked. Users of sector 7 should be careful not to leave precious belongings unattended in the LOM or the beamline.
- Work is on-going to design an exhaust system for hazardous gases on sector 7. EL and Steve Southworth have specified the system being engineered by APS-AES. (See slide of proposed drawings)
- The 2007-3 schedule was worked out in late Aug. and will be posted on the web shortly. ED is learning how to edit the new Sector 7 web site.
- HG cleaned the 7BM-B floor near the old Pb brick area, and the recent surface survey by EQO reveals the floor is safe from Pb dust contamination.
- DW is upgrading the stepper motor drivers in 7ID-C, moving away from the old Next Step drivers. New cables and drivers will be installed this shutdown.
- Sector 7 people have a new IT contact, Bill Sheehan, who also supports Sector 8 operation.
- EPICS and spec would periodically seize up during data collection in Aug. for several minutes (esp. at 12h10am). IT is aware of the problem but no solutions have been found yet.
- DW, HG and many users were trained by EL for the laser oscillator alignment this week. Another course is scheduled next week Wednesday Sept. 12.
- An optical engineer from LCLS, Sasha Gilevich, and EL are designing a new laser beam delivery system for 7ID users. Design work started this week during her visit at the APS.

## S7 R&D (cont.)

- Several articles of work done at S7 will appear shortly in the Proceedings of SRI07 in NIM A.
- A new paper was recently published by the group of David Cahill, in PRB B 76, 075337 (2007). DW and EL worked closely with them.

