

S7 operation update

Eric Dufresne, TRR group meeting, Jun. 12, 2007

- 4 new standard APS PCs, two new BW laser printers and 4 new UNIX workstations were installed on the new network in the past month. The beamline controls were transferred to the standard APS BCDA infrastructure in late May. The beamline is now fully integrated in the APS supported controls and network infrastructure. The old MHATT domain was disconnected recently.
- An extensive electrical distribution system reorganization was completed last month to enhance our ability to add new AC circuits in the future, both clean and dirty. We had very little room to add clean power circuits. (see pictures)
- The 7ID schedule for this summer's run was sent to our users in early June.
- Our first General User group completed a successful experiment June 12.

Reorganization of power circuits on S7



New computing and network infrastructure



New network switch
10 Gbit cable ready.



New EPICS and controls servers.



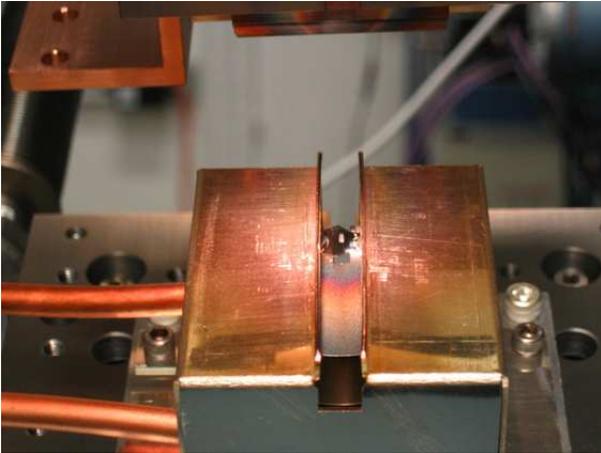
Old servers decommissioned after running since 2000.

No more Nextstep drivers for 7ID-D



Next step interconnect box removed from back wall
Of 7ID-D. No more NextStep drivers in 7ID-D.
All 7ID-D drivers are ACS StepPak drivers.

Varia



White coating on 1st crystal of 7ID-A mono.

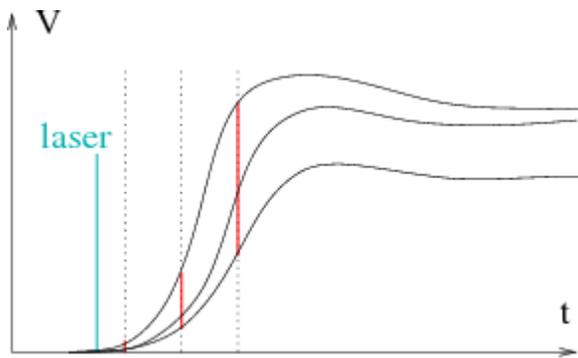


New water chiller for 7ID-E laser

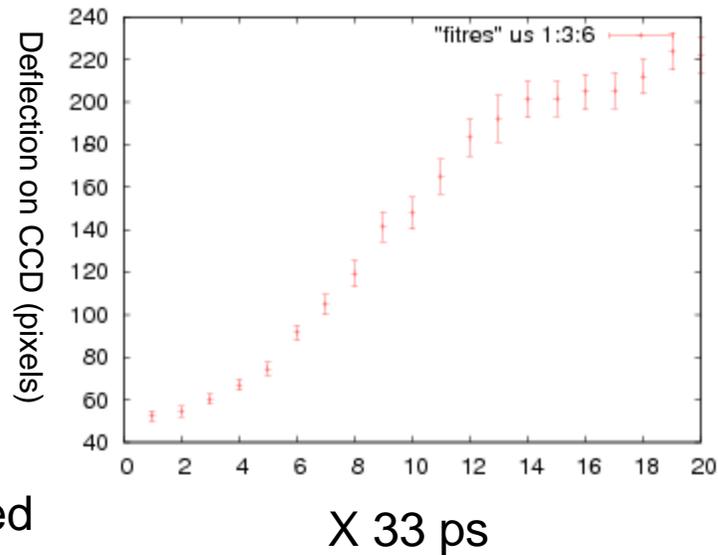


17-year Cicadas visit near LOM

7ID R&D News



3 separate traces of voltage applied to the streak camera showing the jitter caused by laser power fluctuations. UV is triggering the camera. (from B. Adams)



Pilatus Gating (from EL)

Pilatus 100k in APS 24 bunch mode
30 ns gate width
5 kHz gate repetition rate
~ 1 second acquisition
Averaged count rate over entire detector area

