



D0 Status Report

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All Experimenters' Meeting

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The Last Two Weeks

- DØ has spent the last two weeks keeping the Detector in running shape.
 - We appreciate the access opportunities provided by the AD.
- We have had five accesses in the past two weeks.
 - On 10/15, 10/17, and 10/19 we made opportunistic accesses primarily to investigate small problems with the L1Muon system
 - On 10/17 we also made a small repair to a Muon PDT.



Accesses (continued)

- Less than a week after closing the detector, we found on 10/15 that we had a blown fuse which disabled 1/12th of the Calorimeter which would require reopening.
 - We had an 9.5 hour access on 10/23 to replace this fuse.
 - We also recovered some CAL channels, replaced a L1Muon PS, and other L1Muon work.
 - Unfortunately we also dropped the interlocks.
- The next day we lost a Silicon sequencer power supply.
 - We had a 90 minute access on 10/26 to replace the supply.
 - We also did minor CAL and L1Muon work.



Data Taking

Day	Delivered Lum (nb^{-1})	Recorded Lum (nb^{-1})	Efficiency (%)	Comment
28 Oct	32.54	22.21	68	3X12 store, periods of high losses

- First post-shutdown store came in yesterday.
 - Early part of store had high losses which prevented us from turning on our silicon.
 - A (re)scrape allowed us to put the silicon in the run
 - Since the store was at very low luminosity, the beam spot measurement took longer than normal .
 - Several instabilities caused us to lower our high voltage.
 - We mainly used the store for Tracking and Luminosity studies.



Beam Spot

- After the D0 quad moves, the Tevatron group predicted that our beam spot would move to $(x, y) = (183, 113)$ microns, so this is what we set our tracking equations to.
 - From the first store we measured this position to be $(360, -80)$
 - $\Delta R = 260$ microns, which is within our limits
 - We also found the xz slope to be 40 microradians and the yz slope to be -120 microradians.
 - This is also within our limits.



Congrats

- Our congratulations go out to the Tevatron group and the rest of the AD for putting the first post-shutdown store.
 - (and the second today).
- We look forward to making good use of this luminosity!