



D0 Status Report

Bill Lee

FNAL

All Experimenters' Meeting

14 April 2008



Data Taking

	Delivered Lum (pb^{-1})	Recorded Lum (pb^{-1})	Efficiency (%)	Comment
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7 Apr	8.28	7.35	89	30 minutes down at the start of the store for a Level 2 readout crate problem.
8 Apr	4.58	4.22	92	Access to work on Muon Scintillator
9 Apr	0.00	0.00		
10 Apr	0.00	0.00		Access to work on Muon Scintillator
11 Apr	0.00	0.00		Access recover portion of PDT and replace BLS power supply.
12 Apr	0.00	0.00		
13 Apr	0.00	0.00		
7-13 April	12.9	11.6	90	



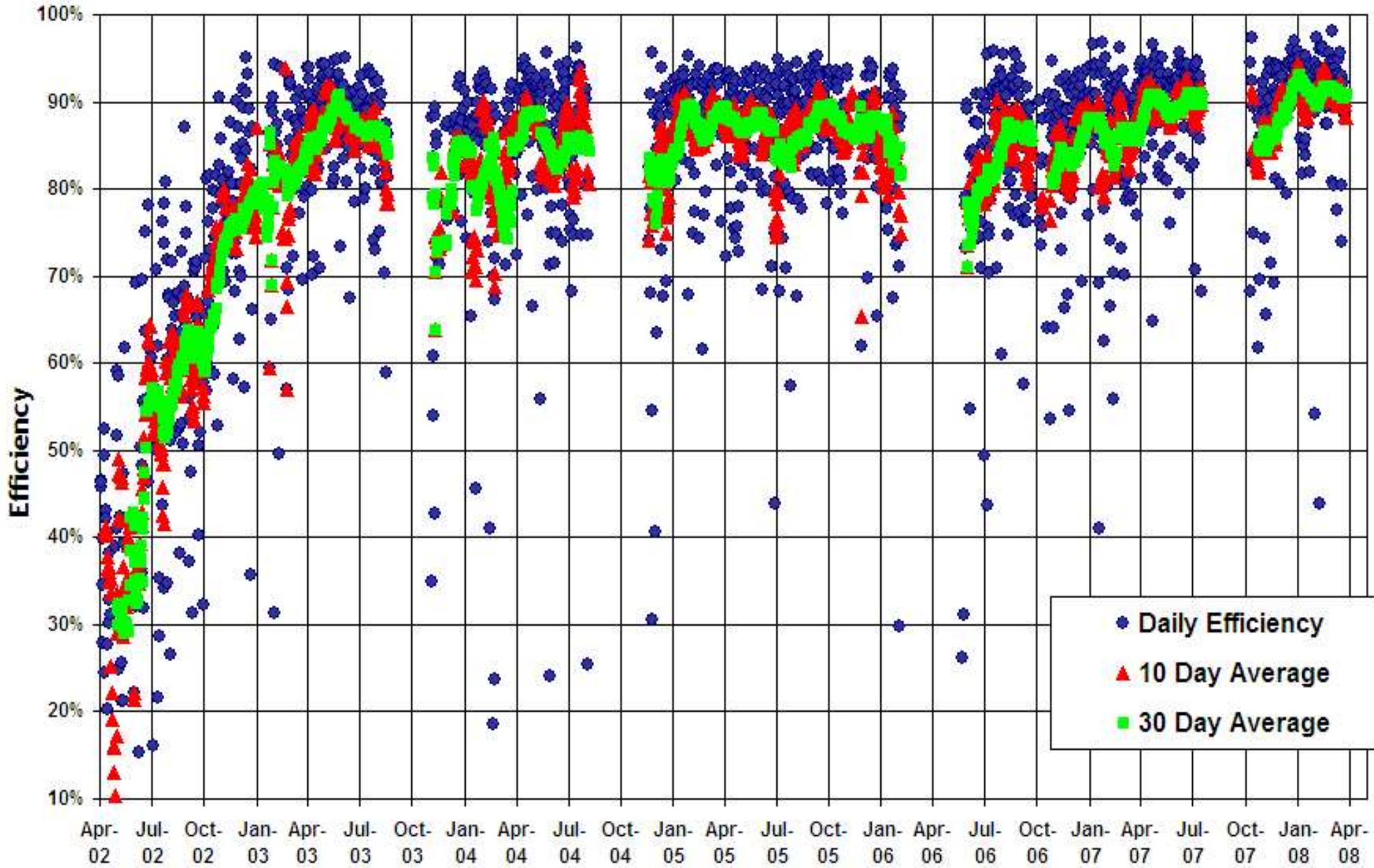
Significant Events

- Last week, we developed a problem with one of our muon central scintillator front end crates which led to two octants not read out and one octant questionable.
 - On Monday, we had a meeting among experts to plan our next steps and had requested a two hour access for additional tests of the system.
- Tuesday evening/Wednesday owl after the store was lost, we were able to escort an expert into the hall to help diagnose the scintillator problem.
- On Thursday, with the opportunity for a long access, we were able to systematically test cards from the problem crates in known good crates. We identified the multiple problems.
 - The original problem was a readout controller failure. The expert replaced the board in question with a spare which was eventually shown to be bad. In addition, after power cycling the side crate and subsequent work, we found a bad processor card, a readout card in a bad slot, and a problematic front end card.
 - We also worked on minor issues for the track trigger and L1 muon.
- Friday, we repaired a PDT, tested a readout card, replaced a CAL BLS power supply to address an instability and rack monitor interface.



Daily Data Taking Efficiency

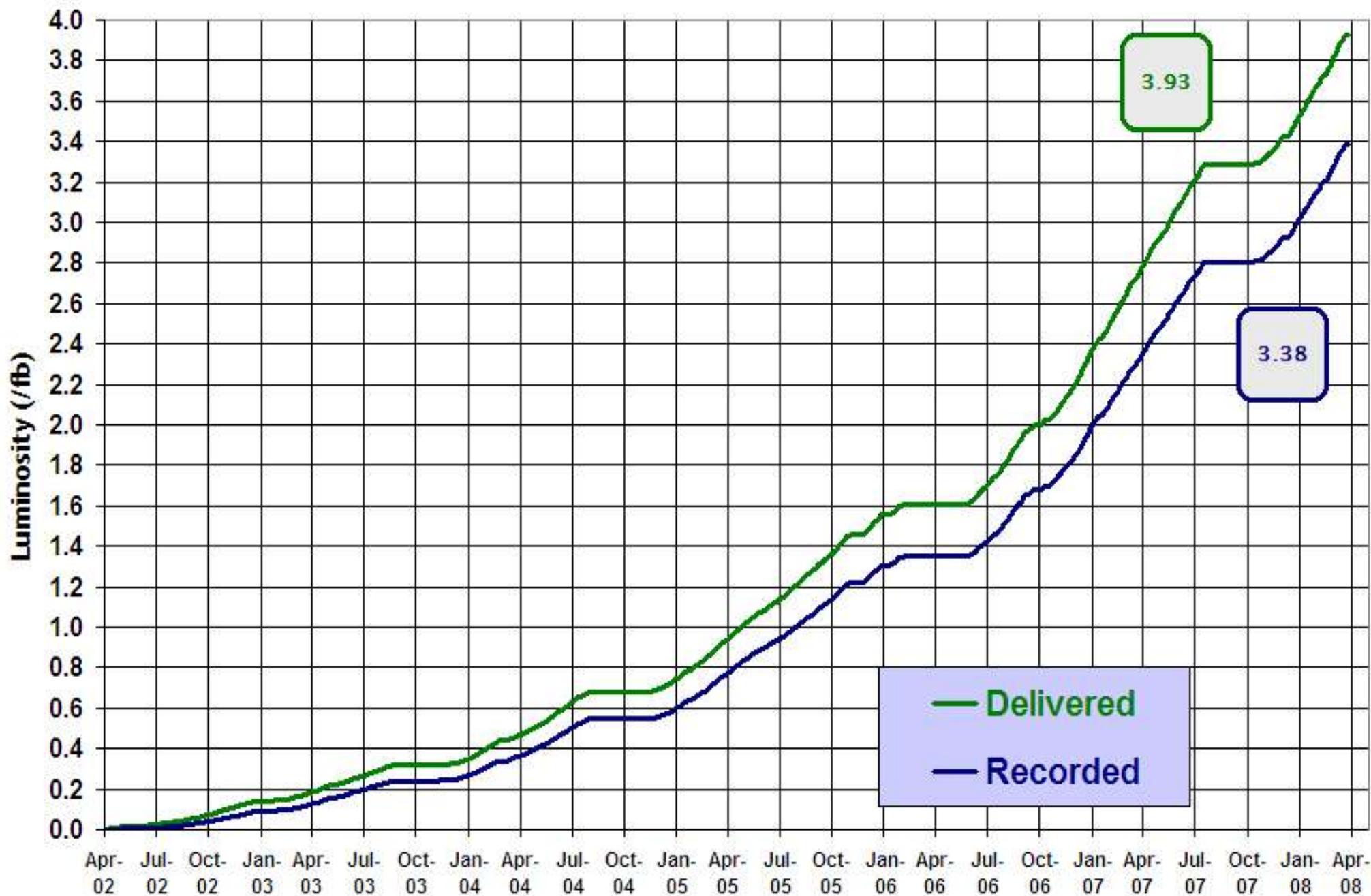
19 April 2002 - 13 April 2008





Run II Integrated Luminosity

19 April 2002 - 13 April 2008



14 April 2008

AEM

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