



# D0 Status Report

Bill Lee

FNAL

All Experimenters' Meeting  
29 September 2008



# Data Taking

	Delivered Lum (pb <sup>-1</sup> )	Recorded Lum (pb <sup>-1</sup> )	Efficiency (%)	Comment
22 Sep	8.57	7.89	92	Access to replace forward muon front end board. 15 min down to fix muon HV.
23 Sep	2.60	2.39	92	
24 Sep	4.58	4.40	96	
25 Sep	7.94	7.29	92	
26 Sep	6.63	6.14	93	
27 Sep	4.96	4.66	94	Access to swap AFE board
28 Sep	9.14	8.13 (7.31)	89 (80)	Problems with cryo trip off solenoid. 40 minutes of downtime. Solenoid down 1.5 hours, central fiber tracker down for two hours.
(data with full tracking)				
22-28 Sep	44.4	40.9	92	



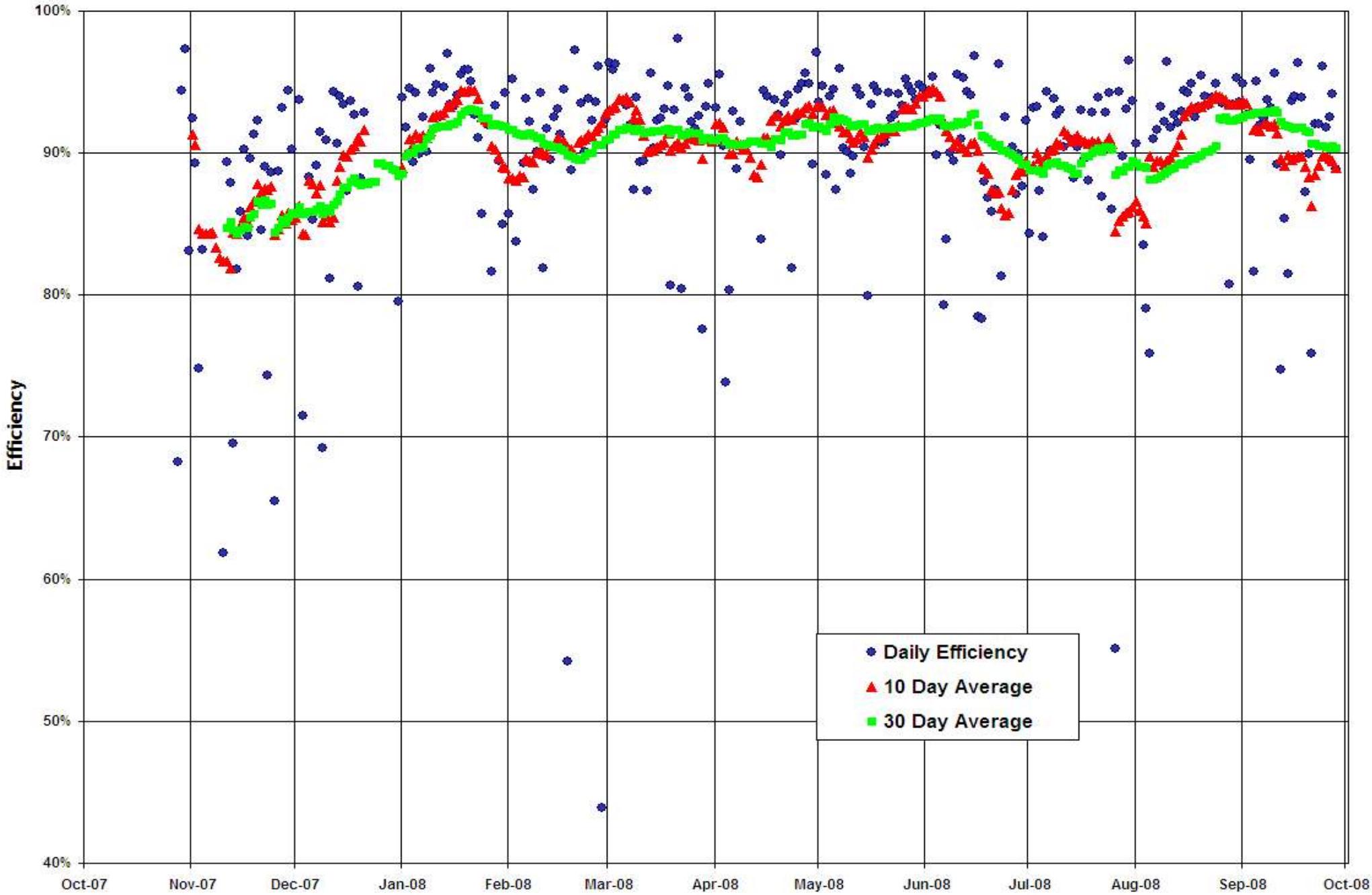
# Solenoid Trip

- D0's dry engine was running poorly, so between stores Sunday evening, we switched to our spare.
  - After the switch over, there was high back pressure on the helium return, which reduced the mass flow rate through the solenoid.
  - The liquid helium level in the subcooler dropped until we reached the level which caused a slow dump of our solenoid.
    - The solenoid coil remained cold.
- The D0 refrigeration plant has recovered from this upset.



# Daily Data Taking Efficiency

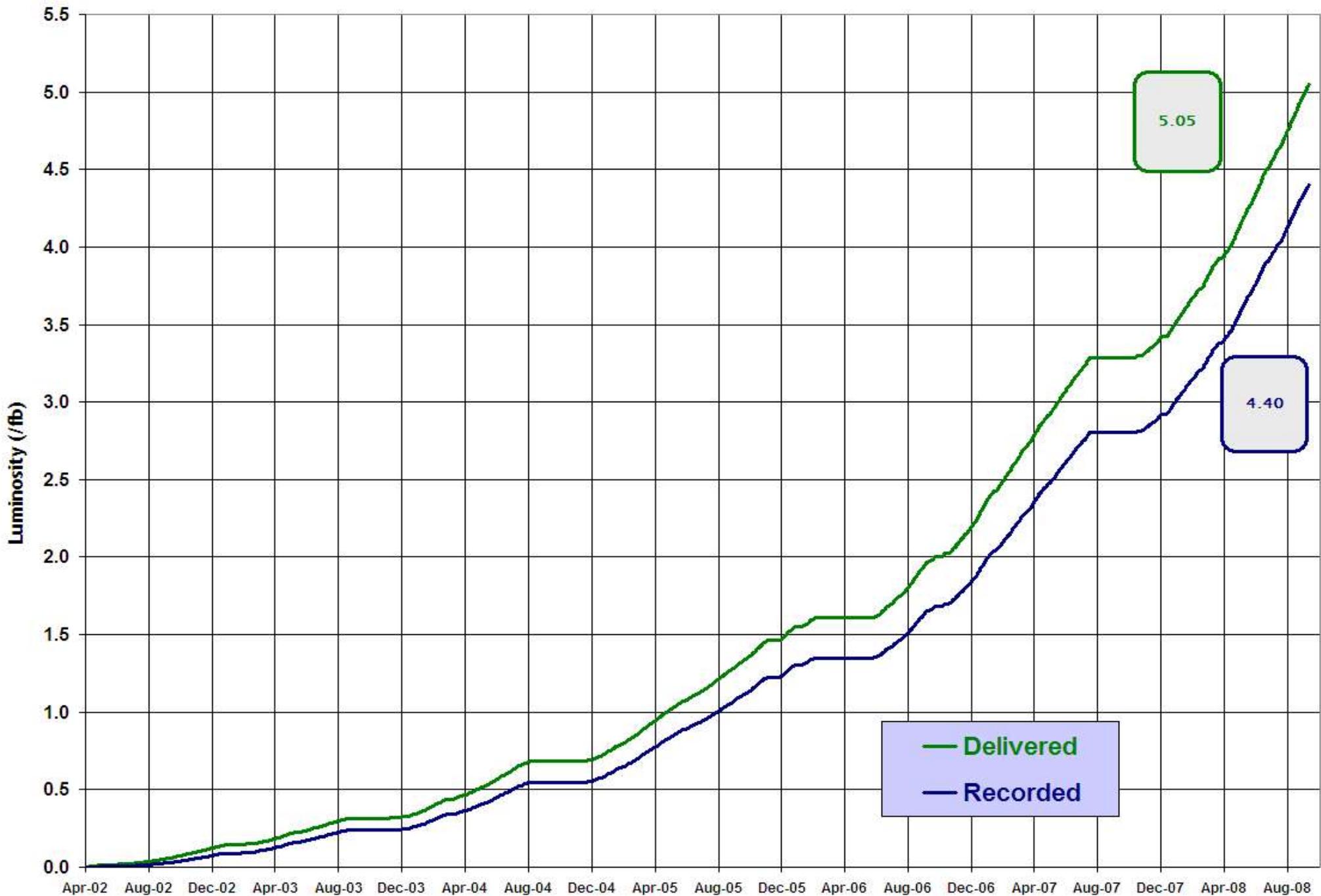
FY08 through 28 September 2008





# Run II Integrated Luminosity

19 April 2002 - 28 September 2008



29 September 2008

AEM

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