



# D0 Status Report

Bill Lee

FNAL

All Experimenters' Meeting

18 May 2009



# Data Taking

	Delivered Lum ( $\text{pb}^{-1}$ )	Recorded Lum ( $\text{pb}^{-1}$ )	Efficiency (%)	Comment
11 May	8.69	8.03	92	
12 May	8.02	7.63	95	Opportunistic access to replace a CAL daughter card and swap a Muon front end card.
13 May	10.19	9.53	94	
14 May	4.06	3.76	93	Requested access to replace CAL analog driver card.
15 May	4.62	4.30	93	
16 May	12.40	11.34	91	Several short downtimes due to problems with L2 system. 3 <sup>rd</sup> best delivered and 5 <sup>th</sup> best recorded daily luminosity
17 May	10.33	9.66	93	
11-17 May	58.3	54.3	93	



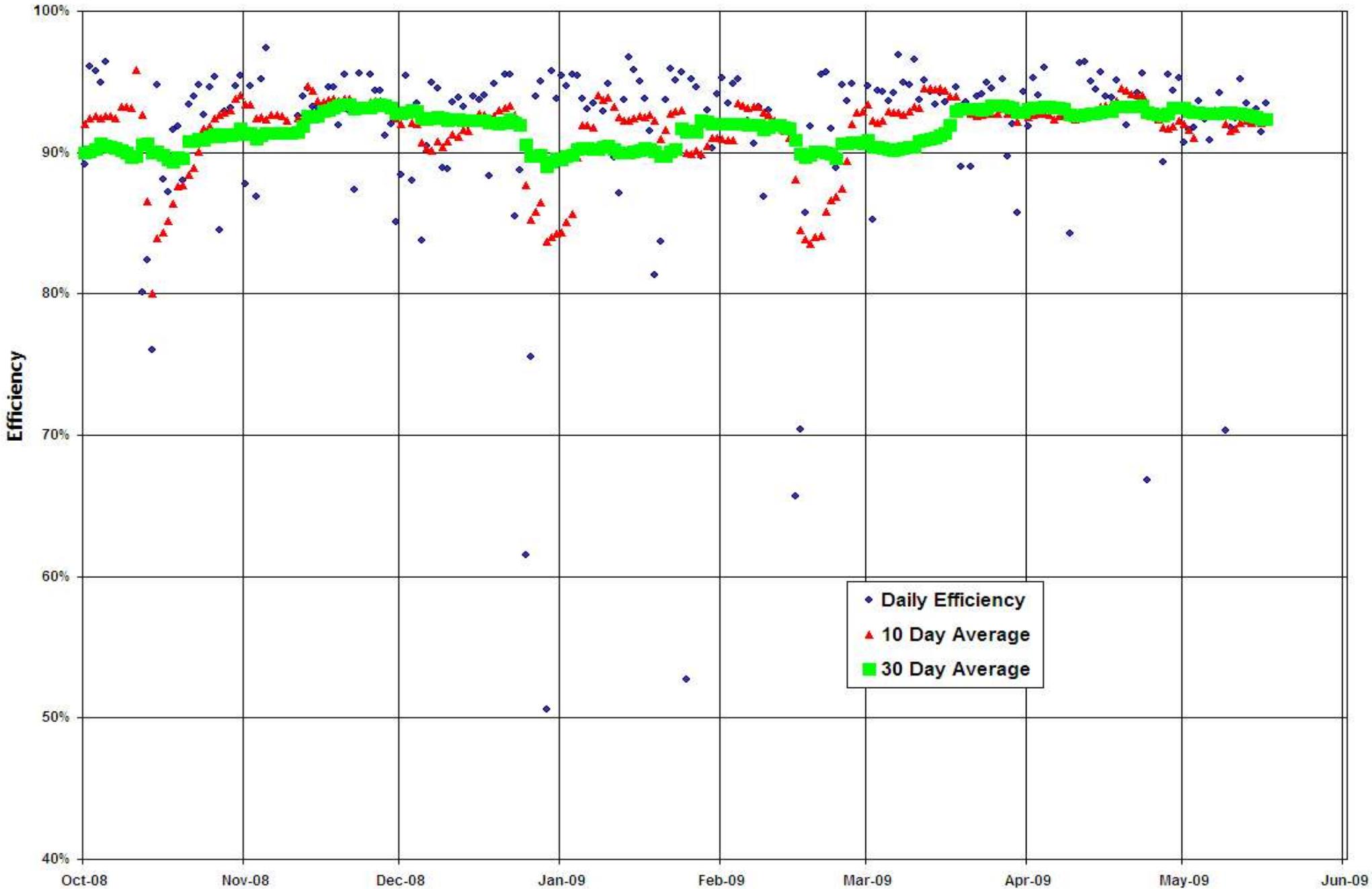
# Access Today

- This morning at around 07:30 D0 lost secondary calorimeter pre-amp power supply #7.
  - Primary #7 was unresponsive due to a problem with the controls hardware.
  - 1/12<sup>th</sup> of the Calorimeter was out of data taking.
- This required D0 to request to open the East Iron which requires an 8+ hour access.
  - In addition, the West Iron was opened to repair additional pre-amp power supplies and recover portions of the A-Layer muon system.
- Access to the collision hall began at 09:20.
  - The plan is to complete repairs by 18:00 and to have the detector closed and access completed by 20:30.
- Our thanks to the AD for the access
  - And to PPD mechanical and electrical groups, and the D0 muon group for their long hours and effort repairing the D0 detector.



# Daily Data Taking Efficiency

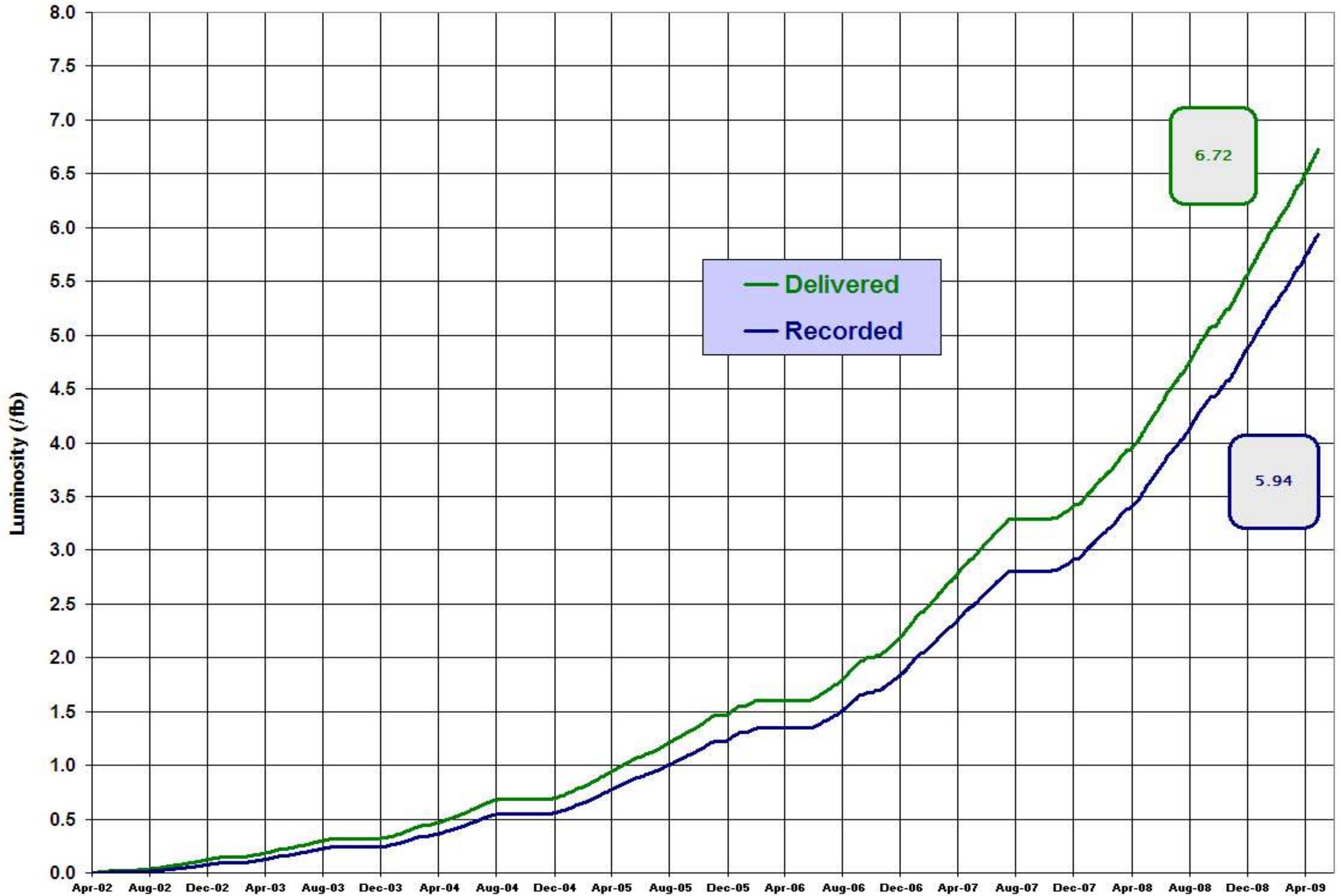
FY09 through 17 May





# Run II Integrated Luminosity

19 April 2002 - 17 May 2009



18 May 2009

AEM

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