



# D0 Status Report

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FNAL

All Experimenters' Meeting  
14 February 2011



# Data Taking

Delivered Lum (pb<sup>-1</sup>)    Recorded Lum (pb<sup>-1</sup>)    Efficiency (%)    Comment

7 Feb	12.72	11.92	94	5 <sup>th</sup> best daily delivered luminosity and 2 <sup>nd</sup> best daily recorded luminosity
8 Feb	10.73	9.85	92	
9 Feb	8.13	7.18 (6.74)	88 (83)	15 min down for a power supply failure for fiber tracker readout crate. 45 min for an online datalogger node crash.
10 Feb	4.77	4.38	92	30 minutes down for online datalogger node problems.
11 Feb	7.40	6.40 (3.75)	86 (51)	Silicon sequencer power supply failure. Special runs taken. Accessed to recover supply. Also worked on Muon and Cal.
12 Feb	5.76	5.44	94	Accessed following power glitch.
13 Feb	3.65	3.41	94	
<b>7-13 Feb</b>	<b>53.2</b>	<b>48.6</b> <b>(45.5)</b>	<b>91</b> <b>(86)</b>	(Data taken with full detector)



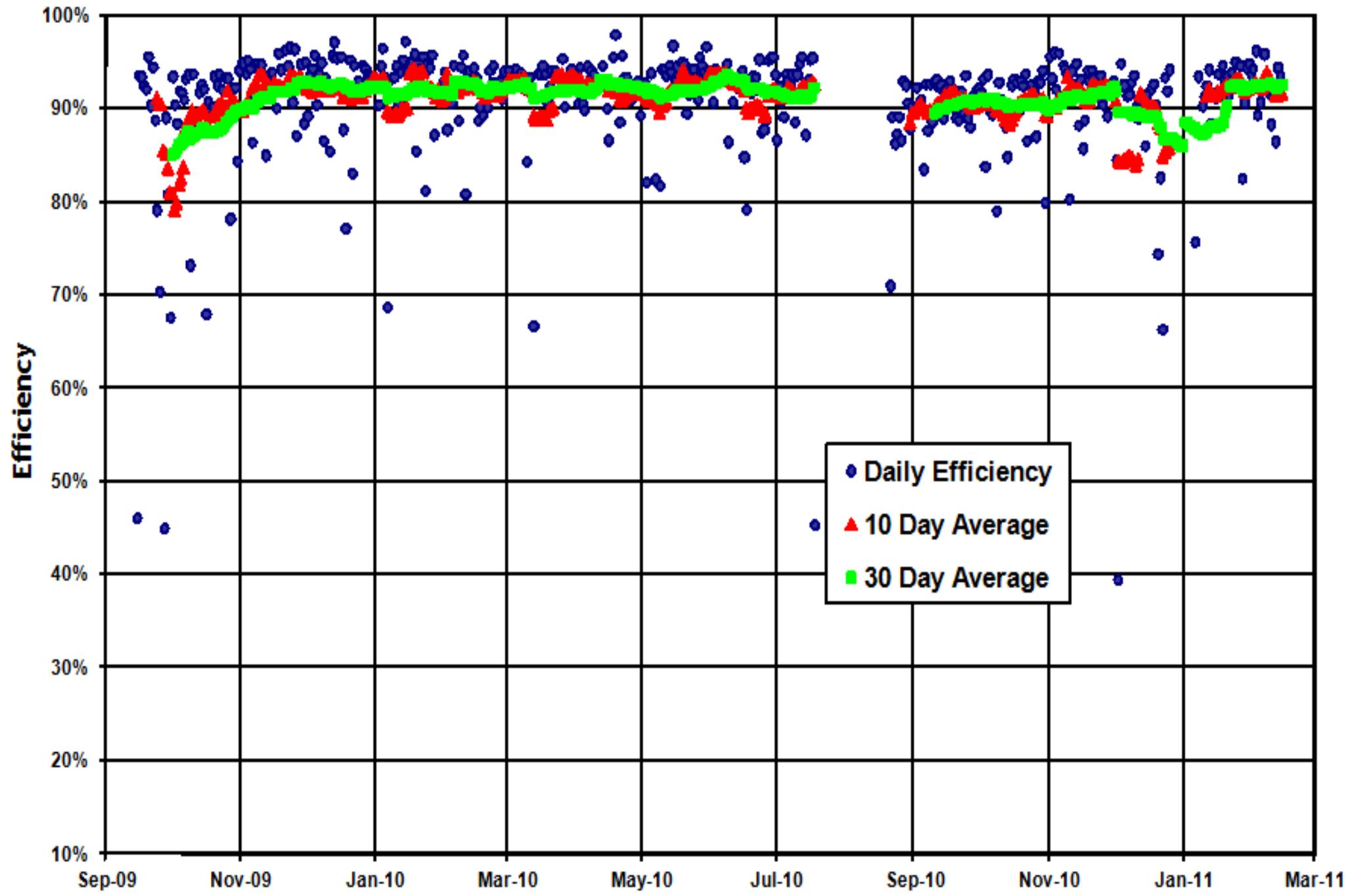
# Power Glitch

- D0 had many systems affected by Saturday's power glitch.
  - Solenoid fast dumped
  - Many racks were tripped off.
  - Accessed to recover some equipment
    - Recovered interface board PS (no cathedral access needed).
    - Replaced a Calorimeter power supply.
    - Replaced a Silicon Sequencer power supply.
    - Replaced a rack monitor.
    - Replaced two mixer boards in track trigger.
- Took over 10 hours to completely recover
  - We appreciate the work of our electrical and mechanical crews and detector experts to recover our system.



# Daily Data Taking Efficiency

1 September 2009 - 13 February 2011





# Run II Integrated Luminosity

19 April 2002 - 13 February 2011

