



# D0 Status Report

Bill Lee  
FNAL

All Experimenters' Meeting  
11 July 2011



# Data Taking

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

27 Jun	9.88	7.50	76	100 minutes down for a muon readout crate power supply failure.
28 Jun	6.26	5.73	92	Opportunistic accesses to work on Silicon, Fiber Tracker, Track Trigger, Calorimeter, and Muon systems. AD safety system tests completed.
29 Jun	10.94	9.93 (6.36)	91 (58)	25 min down for a CAL power supply off due to a failed rack monitor. Requested access to replace rack monitor and work on track trigger.
30 Jun	4.20	3.95	94	Opportunistic access to replace a forward muon power supply.
1 Jul	8.43	7.97	94	
2 Jul	9.52	8.83	93	
3 Jul	10.01	9.33	93	

<b>27 Jun – 3 Jul</b>	<b>59.2</b>	<b>53.2 (49.7)</b>	<b>90 (84)</b>	(Data with full detector)
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<b>June</b> 11 July 2011	<b>279.3</b>	<b>252.1</b>	<b>90</b> AEM	2 <sup>nd</sup> best Monthly delivered and recorded luminosity. Bill Lee
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# Data Taking

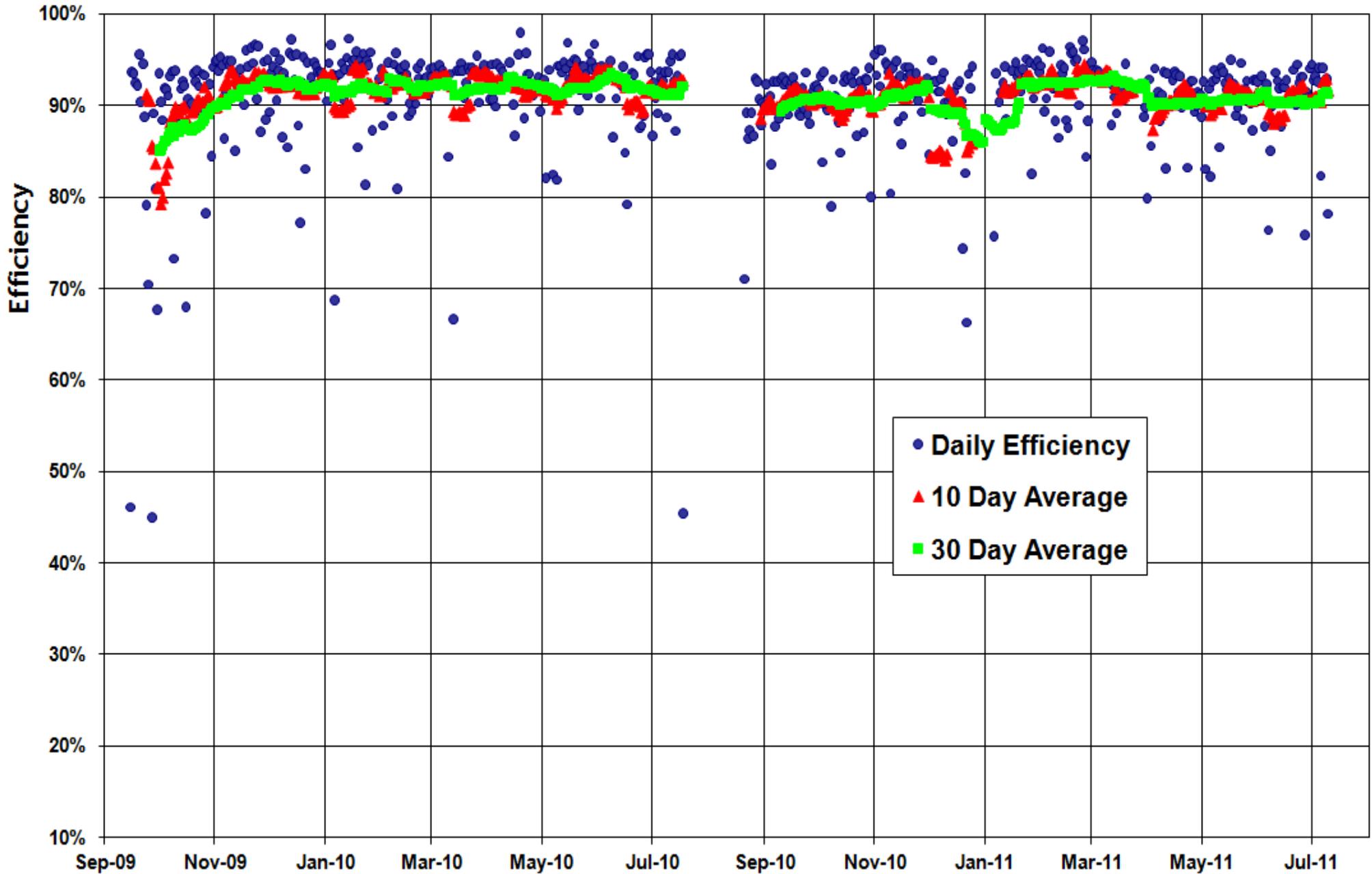
Delivered Lum (pb<sup>-1</sup>)    Recorded Lum (pb<sup>-1</sup>)    Efficiency (%)    Comment

4 Jul	10.65	9.86	93	Opportunistic access to work on muon high voltage and to replace a calorimeter daughter card.
5 Jul	9.16	8.62	94	
6 Jul	3.45	2.84	82	50 minutes down for an online datalogger hang. Opportunistic access to work on muon high voltage and replace a CAL pulser power supply
7 Jul	10.05	9.46	94	
8 Jul	4.29	3.96	92	
9 Jul	13.09	12.16	93	3 <sup>rd</sup> highest daily delivered luminosity and 2 <sup>nd</sup> highest daily recorded luminosity
10 Jul	7.37	5.76	78	75 minutes of downtime due to LCW pump tripping off causing the magnets and luminosity HV to ramp down.
<b>4-10 Jul</b>	<b>58.1</b>	<b>52.7</b>	<b>91</b>	



# Daily Data Taking Efficiency

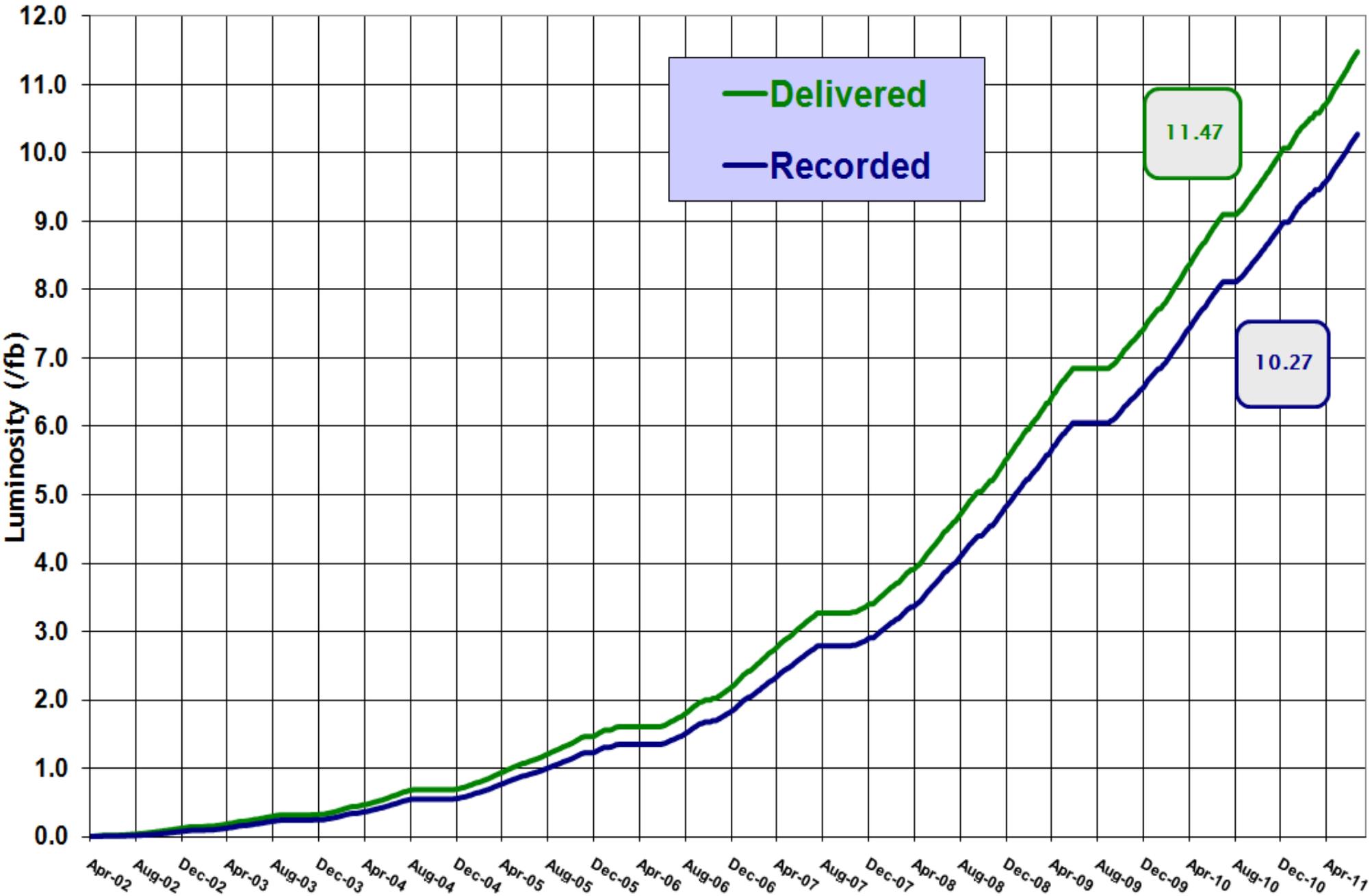
1 September 2009 - 10 July 2011





# Run II Integrated Luminosity

19 April 2002 - 10 July 2011



11 July 2011

AEM

Bill Lee