



DO Status Report

Stefan Grünendahl
FNAL

All Experimenters' Meeting
1 August 2011



Data Taking

date	Delivered Lum (pb ⁻¹)	Recorded Lum (pb ⁻¹)	Efficiency (%)	comment
25 July Mon	6.32	5.86	93	opportunistic access: Calorimeter PreAmp breaker check, Forward Muon Pixel board swap, Central Muon PDT HV investigation
26 July Tue	7.22	6.71	93	
27 July Wed	3.85	3.65	95	collision hall ventilation scheme back to ODH 0
28 July Thu	0.00	0.00		opp. access: recovery from power outage
29 July Fri	0.00	0.00		opp. access: preparation for and recovery from power outage
30 July Sat	0.00	0.00		opp. access: preparation for detector opening
31 July Sun	0.00	0.00		
weekly total	17.4	16.2	93	
July 2011	198.4	177.7	90	

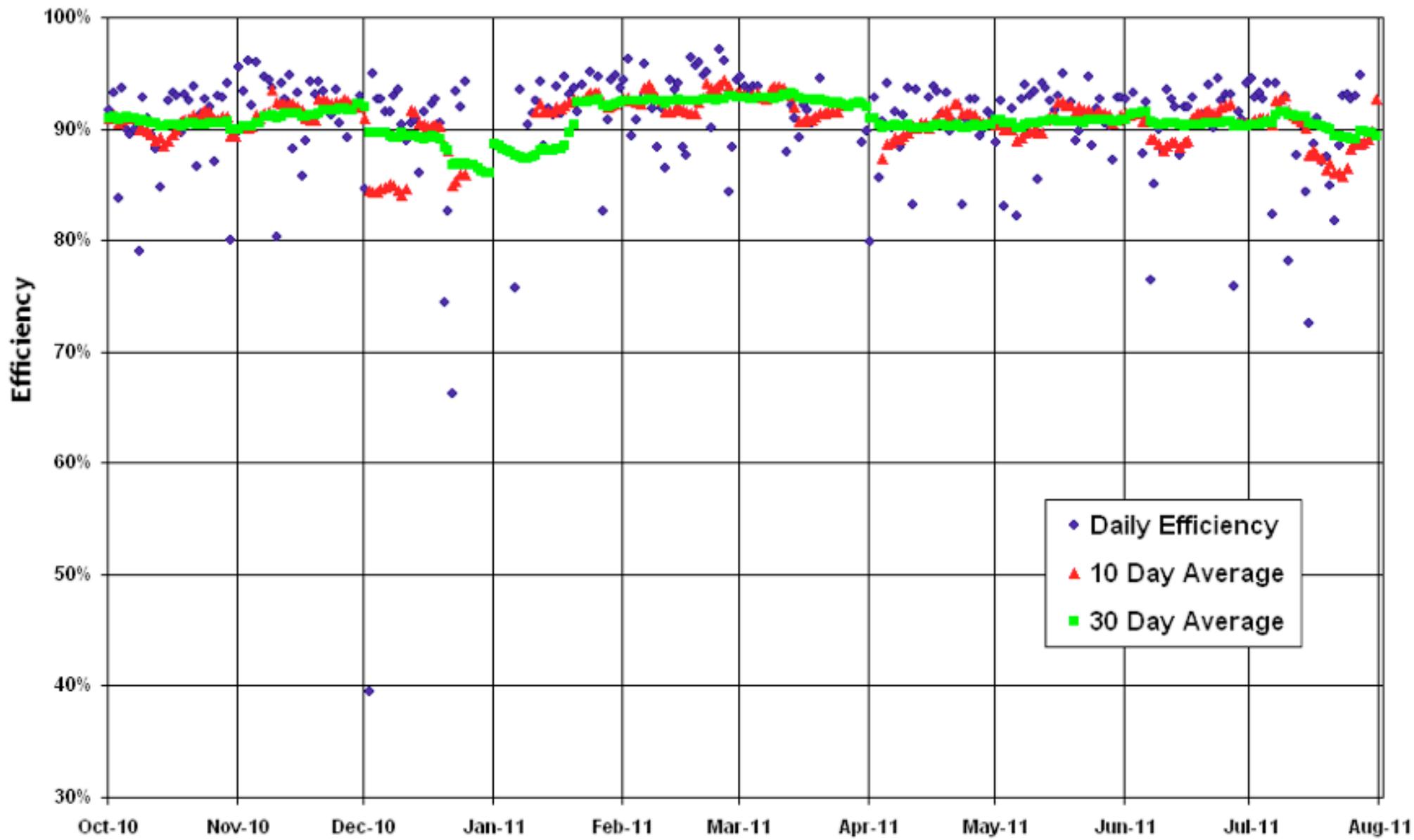
Power Outage Fallout

- -wet engine tripped after recovery; dry engine performance impaired, rate of recovery of helium inventory significantly lower than average; managed to keep solenoid & Fiber Tracker VLPCs below 60 K
- -switched dry engines prior to scheduled power outage, and have since achieved a full liquid helium inventory
- -numerous control room monitors and one control room node failed
- -several cal pulser power supplies, a forward muon power supply and a forward muon crate controller fail to recover, Level 1 muon trigger card requires replacement
- -recovery of a SMT interface board power supply was difficult (after both outages)
- -one calorimeter preamp power supply will not turn on after scheduled power outage
- -one central track trigger board has difficulty maintaining its programming
- -Still struggling with ramping muon PDTs to full operating voltage



Daily Data Taking Efficiency

1 October 2010 - 31 July 2011



1 August 2011

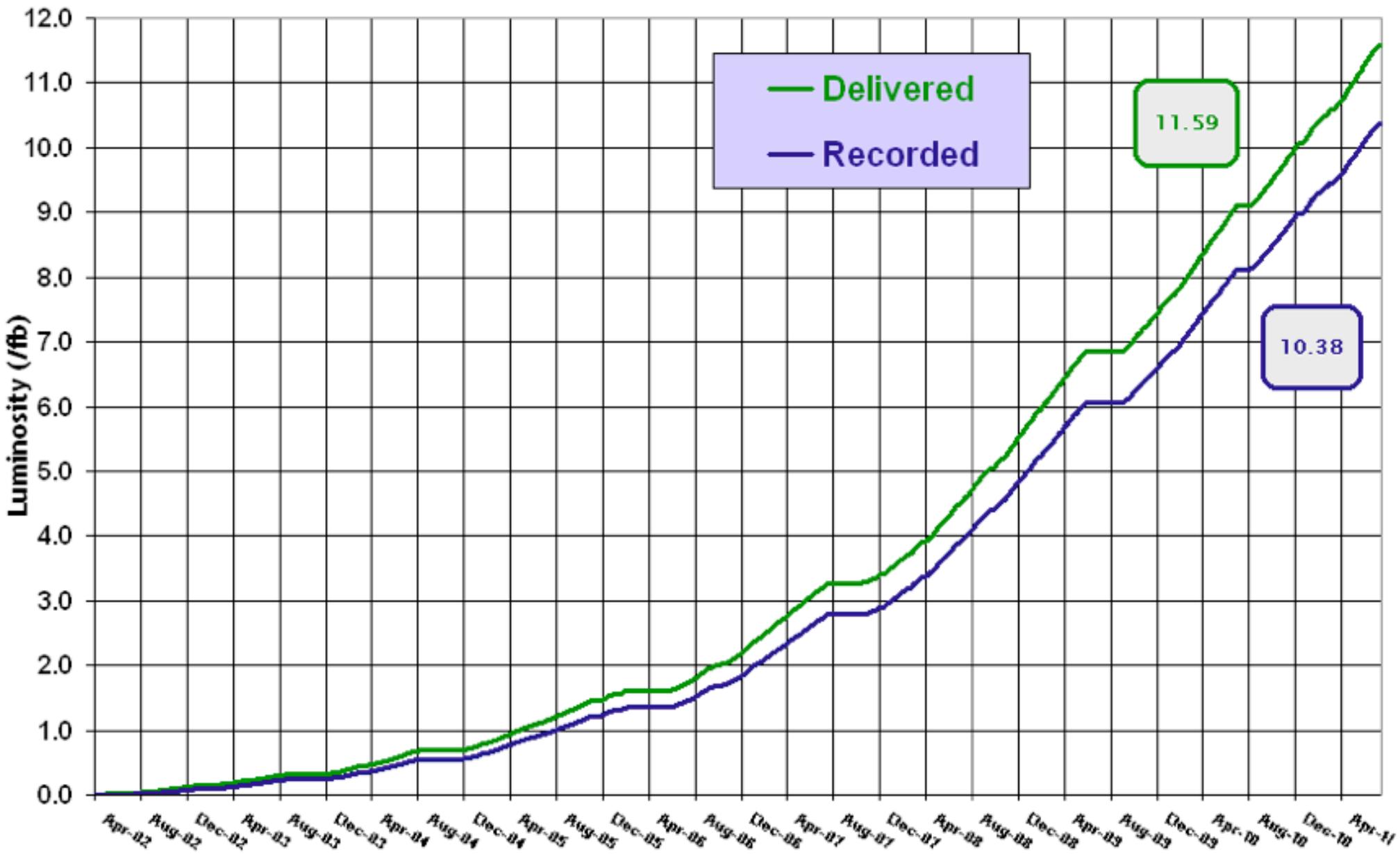
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Run II Integrated Luminosity

19 April 2002 - 31 July 2011



1 August 2011

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