



# D0 Status Report

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FNAL

All Experimenters' Meeting  
19 April 2010



# Data Taking

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

12 Apr	10.56	9.83	93	
13 Apr	2.66	2.52	95	Long access
14 Apr	0.00	0.00		Opportunistic access, forward muon cable swapped and CAL card swapped.
15 Apr	7.05	6.35	90	1 hour of downtime due to a central track trigger (CTT) card and a fiber tracker board.
16 Apr	11.51	9.99	87	CTT card swapped (also fiber tracker and CAL work) 30 minutes down beginning of store 7746 due to a different CTT problem. Record initial luminosity of 395E30 for Store 7747
17 Apr	10.85	10.00	92	
18 Apr	6.58	6.29	96	
<b>12-18 Apr</b>	<b>49.2</b>	<b>45.0</b>	<b>91</b>	



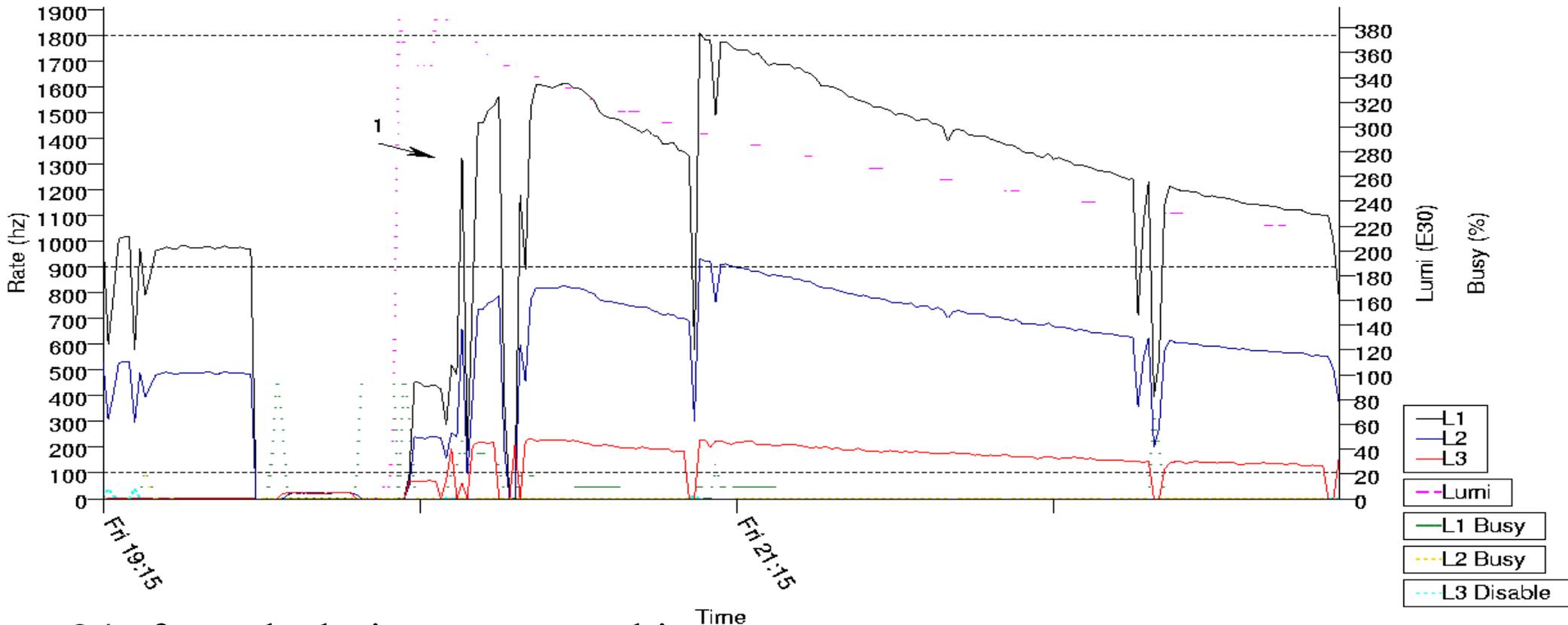
# Long access

- On Tuesday, D0 was given the opportunity of a long access.
  - We opened the detector to access the cathedral.
    - Seven CAL preamp power supplies were worked on.
    - 5 A-layer PDTs were repaired.
  - Additional jobs
    - CAL daughter card replacement
    - Forward muon repairs
    - AFE board modification
    - CTT board swapped
    - Intercryostat Calorimeter HV work



# Record Store - 395E30

Store: 7747  
First Entry: Apr 16 19:15  
Last Entry: Apr 16 23:09



- 84s from declaring store to taking data

- Some initial forward muon readout problems and a muon HV trip.

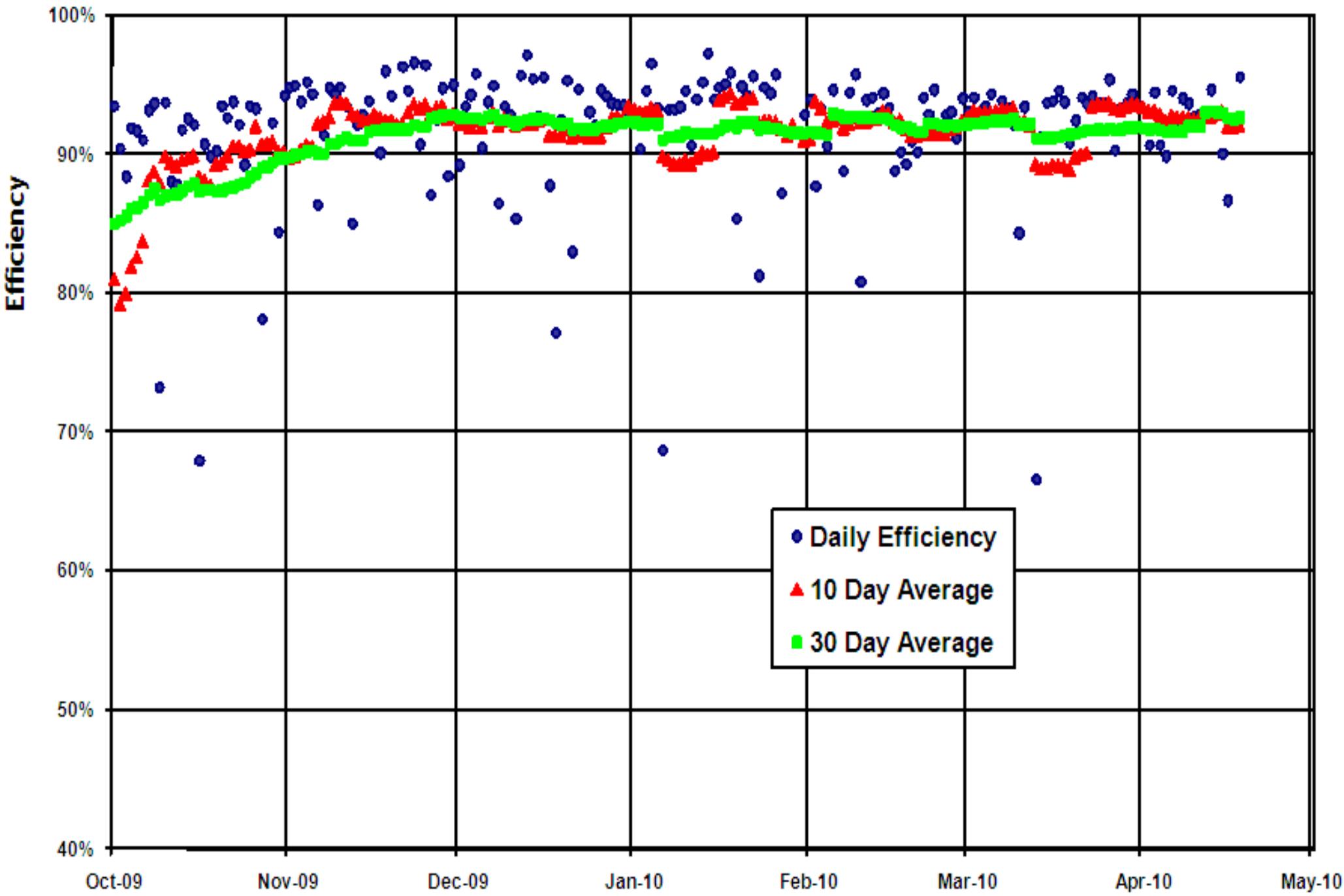
- Initial deadtime – 44%

- 1<sup>st</sup> run, 46 min, 17% deadtime.
  - 2<sup>nd</sup> run, 2 hours, 7% deadtime.



# Daily Data Taking Efficiency

1 October 2009 - 18 April 2010





# Run II Integrated Luminosity

19 April 2002 - 18 April 2010

