



# D0 Status Report

Bill Lee

FNAL

All Experimenters' Meeting

2 July 2007



# Data Taking

Day	Delivered Lum ( $\text{pb}^{-1}$ )	Recorded Lum ( $\text{pb}^{-1}$ )	Efficiency (%)	Comment
25 Jun	0.87	0.83	96	12 hour access
26 Jun	5.98	4.75	79	20 min for a bad read back connection for the toroid. 70 min for L2 readout crate problem. 40 min for Fiber Tracker power supply failure.
27 Jun	0.00	0.00		Access to replace Fiber Tracker Power supply
28 Jun	5.98	4.99	83	High proton halo rates keep Silicon HV off for 20 min. 45 min down for muon PDT issue.
29 Jun	5.95	5.62	94	Access to replace Silicon Sequencer board, replace Fiber Tracker AFE board, and CAL daughter card.
30 Jun	5.98	5.57	93	Noise seen in eight barrel silicon detectors. Access to repair Silicon Sequencer.
01 Jul	6.29	5.75	91	30 minutes down for Muon/L2 problem.
25 June - 1 July	31.0	27.5	89	
June	148.0	132.0	89	3 <sup>rd</sup> best month



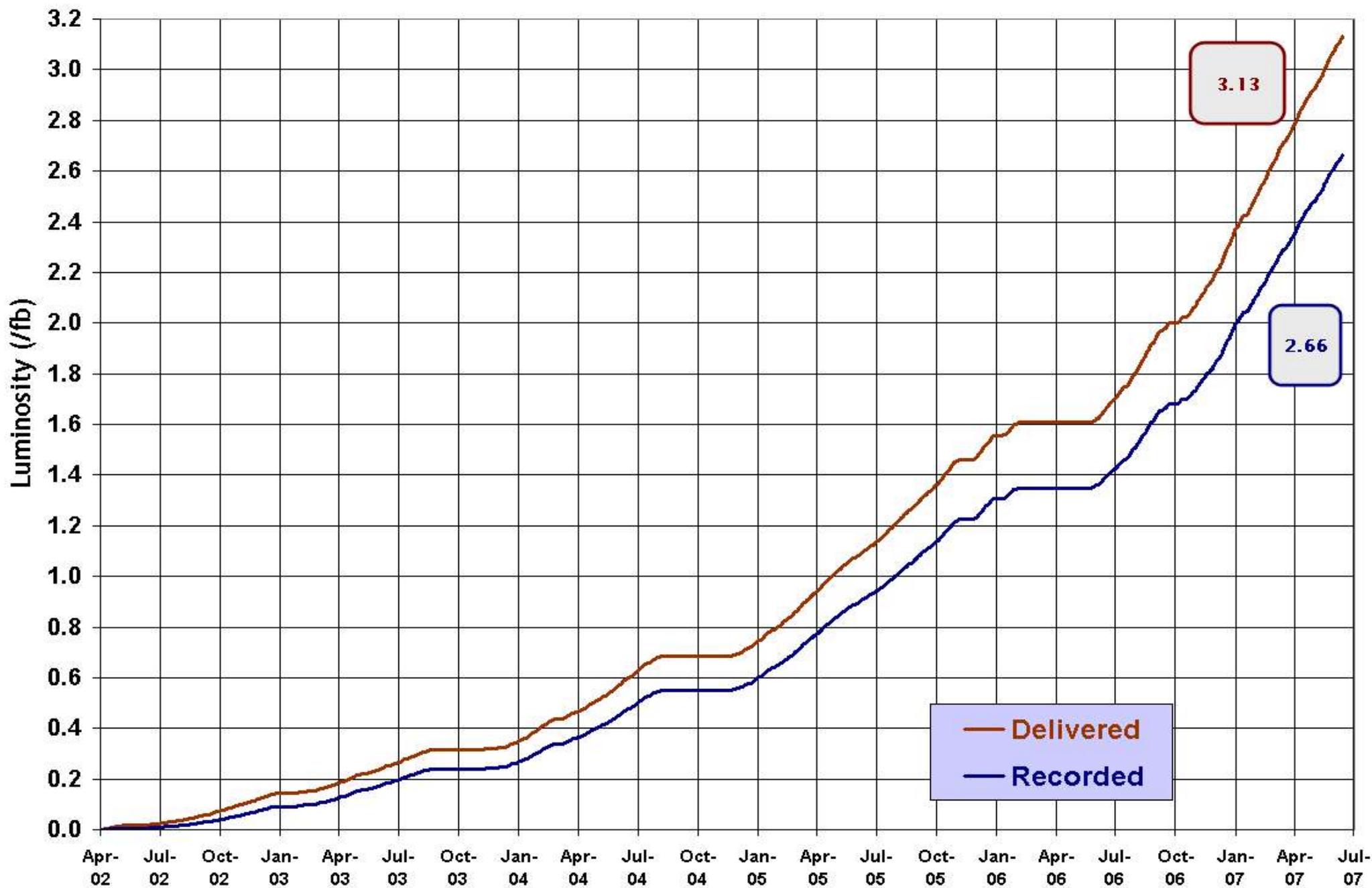
# Access Requests

- Monday, we had a long access to repair failed Calorimeter pre-amp power supplies.
  - This was scheduled to be a 10 hour access, however it ended up lasting almost 14 hours.
    - The power supplies had multiple problems which delayed the diagnosis and repair.
  - We are also used the time to attempt to repair the toroid water leak, investigate low beta quad rolls, repair A layer Muon PDTs, and continue our silicon HDI recovery investigation.
- Friday, we used Tev downtime to access and replace a Silicon Sequencer board.
  - Unfortunately coming out of the access, we did not properly verify whether the repair was effective.
  - We requested another access to repair this board, which was given on Saturday.
- We thank the Accelerator Division allowing D0 these accesses.



# Run II Integrated Luminosity

19 April 2002 - 1 July 2007



2 July 2007

AEM

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# Daily Data Taking Efficiency

19 April 2002 - 1 July 2007

