



D0 Status Report

9/18/2006

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Fermilab



Data Taking for 9/11 – 9/17



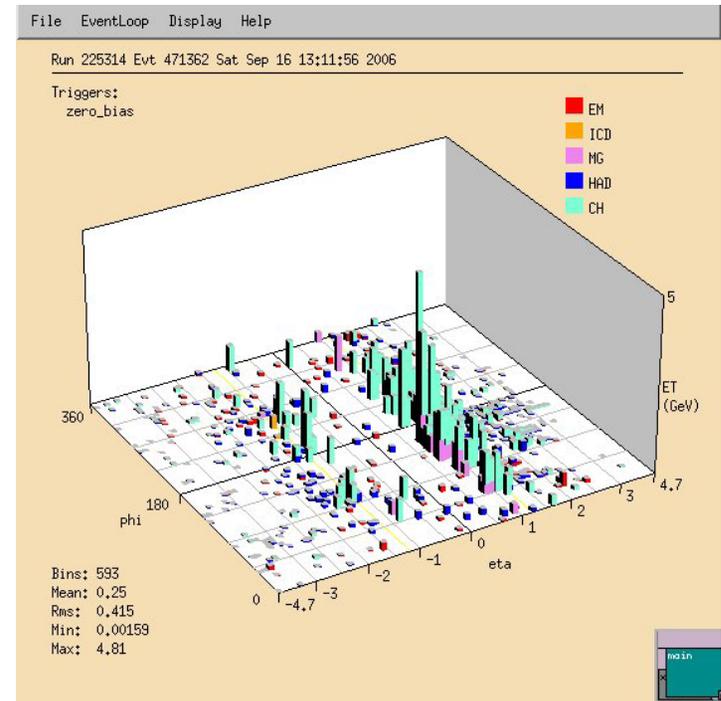
Day	Delivered (pb ⁻¹)	Recorded (pb ⁻¹)	Eff. (%)	Comments
9/11 (Mon)	4.19	3.92	94	
9/12 (Tue)	3.35	3.19	95	7 th best data taking efficiency
9/13 (Wed)	2.87	2.28	79	Central muon special runs taken. 20 min downtime due to L1Cal crate x10 problem. Controlled access after Tev quench to work on AFEIs, Cal BLS, MDT and PDT service cards. 16 L3 nodes added; a total of 48 new nodes in L3.
9/14 (Thu)	1.07	0.88	83	Controlled access continued to 5 am.
9/15 (Fri)	2.62	2.23	85	Controlled access to work on PDT FEBs, MDT, muon Pixel, Cal BLS and AFEIs.
9/16 (Sat)	4.49	3.47	77	Cal noise investigation
9/17 (Sun)	5.54	5.12	92	Highest recorded luminosity in a day
9/11-9/17	24.13	21.09	87	6 th best recorded luminosity in a week



Reappearance of Calorimeter Noise



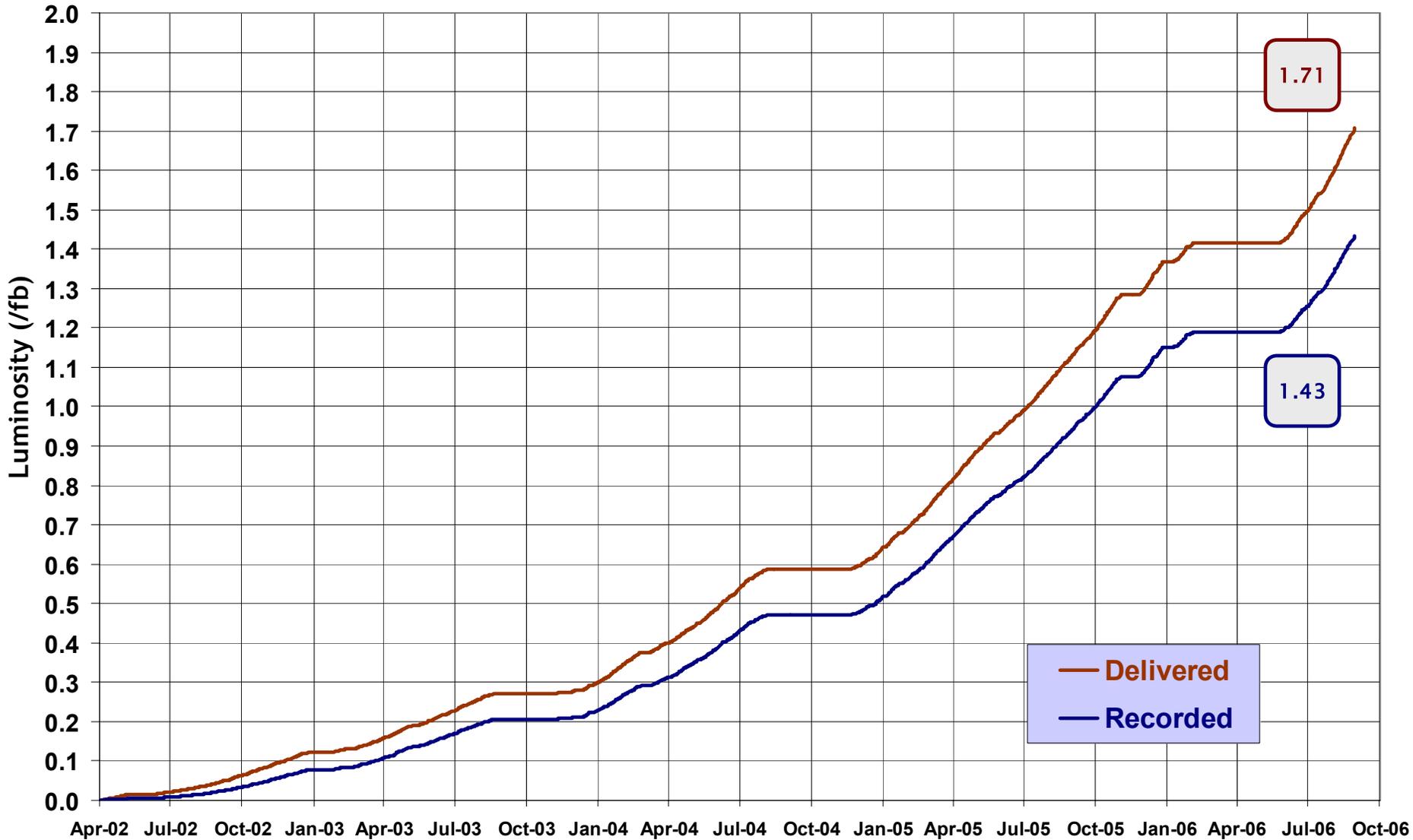
- Calorimeter noise appeared at the beginning of store 4959.
- After investigation, the source was identified to be an A-layer muon readout board.
- The problematic module was turned off and the noise disappeared.
 - A loss of 8 % of geometrical coverage.
 - Recovering the module requires opening up the detector.
 - The damage to the board is believed to be caused by radiation.
 - We are making plans to protect the boards from radiation damage.





Run II Integrated Luminosity

19 April 2002 - 17 September 2006



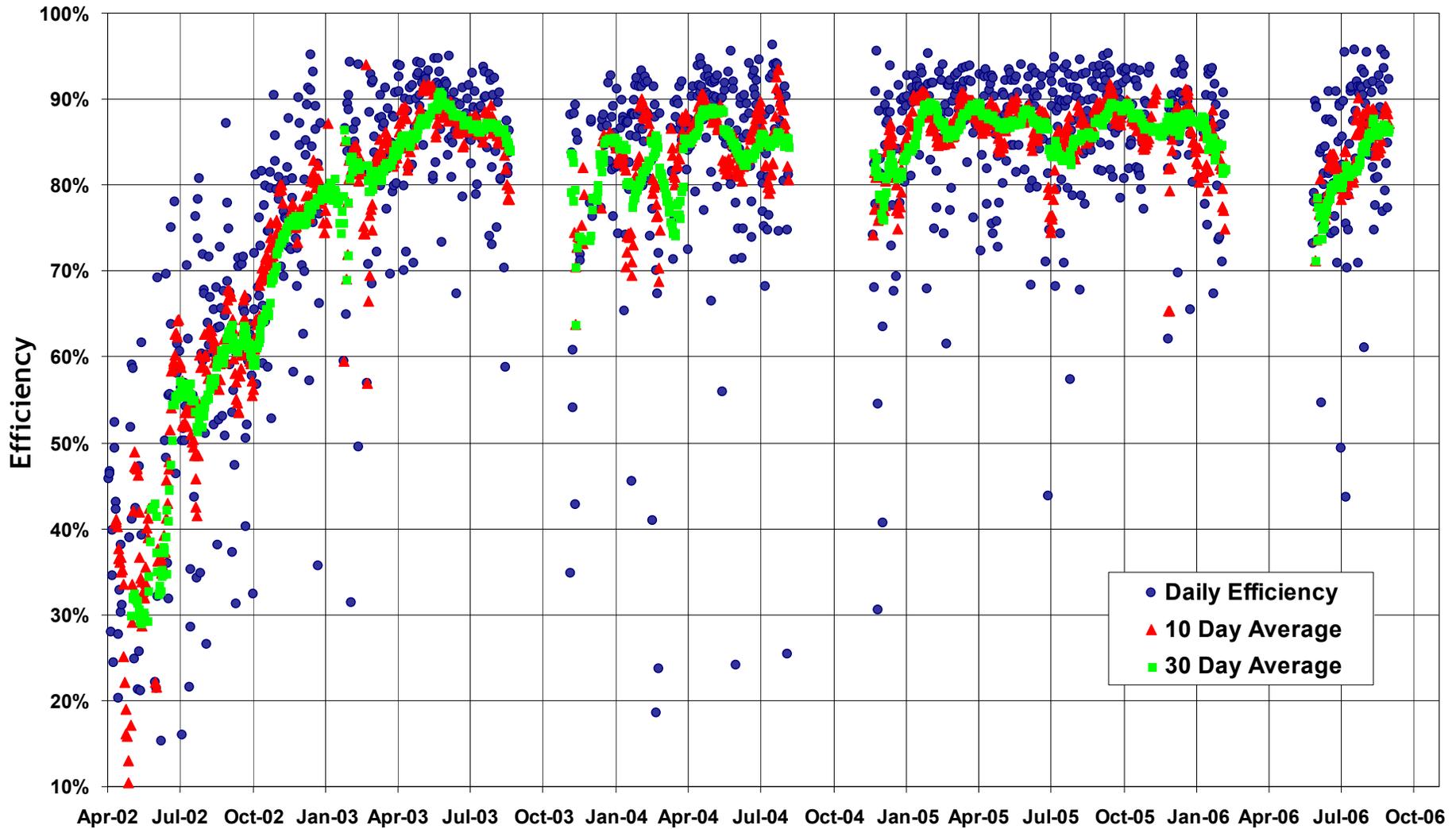
18 September 2006

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Daily Data Taking Efficiency

19 April 2002 - 17 September 2006



18 September 2006

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