



D0 Status Report

7/24/2006

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Data Taking for 7/17 – 7/23



Day	Delivered	Recorded	Eff.	Comments
7/17 (Mon)	2.38 pb ⁻¹	2.13 pb ⁻¹	89 %	Frequent HV trips in PDT.
7/18 (Tue)	1.98 pb ⁻¹	1.76 pb ⁻¹	89 %	Alarms for beam tilt. High L2 busy for muon crates x35 and x39.
7/19 (Wed)*	1.80 pb ⁻¹	>0.89 pb ⁻¹	>49 %	L3 busy due to a non-optimal datalogger configuration. Online cluster down for 3 hours. Controlled access to clean PDT HV service cards. Beam tilt corrected.
7/20 (Thu)	3.44 pb ⁻¹	2.94 pb ⁻¹	86 %	20 min downtime due to CFT crates x51 and x52. High L2 busy for muon crates x35 and x39. 10 min downtime due to LV trip in MDT crate at the beginning of store 4845.
7/21 (Fri)	3.23 pb ⁻¹	2.65 pb ⁻¹	82 %	Controlled access to replace cards in PDT and clean PDT HV service cards. High L2 busy for muon crates x35 and x39.
7/22 (Sat)	3.77 pb ⁻¹	3.38 pb ⁻¹	90 %	A Cal BLS supply died just before midnight.
7/23 (Sun)	4.94 pb ⁻¹	4.03 pb ⁻¹	82 %	Controlled access to replace the BLS supply. Hi L1 jet trigger rates at the beginning of store 4851. 2nd highest recorded luminosity in Run II
7/17-7/23	21.54 pb ⁻¹	>17.78 pb ⁻¹	>83 %	3rd highest recorded luminosity in Run II

* Missing one run report.

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Detector/DAQ Issues

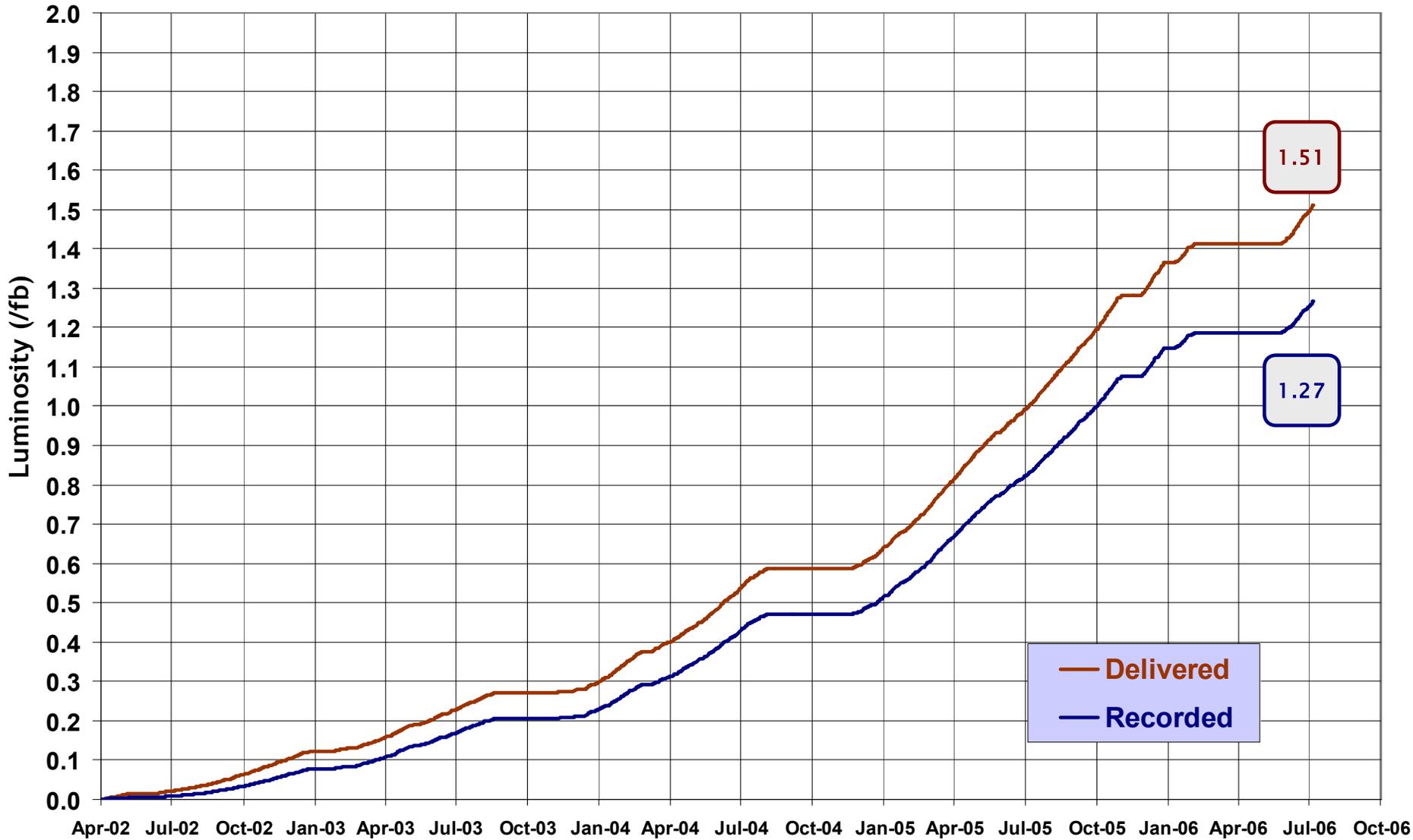


- Frequent HV trips in the muon PDT system
 - An ODH head failure caused the air damper system to introduce humid outside air into the collision hall 10 days ago.
 - Dirt on the HV service cards absorbed moisture.
 - Have cleaned a few cards. See no trips in the cleaned PDT so far.
- High L2 busy in the muon PDT crates x35 and x39 at high luminosity.
 - Muon processors have been upgraded to a faster one (MVE5500).
 - A part of monitoring code is not compatible with MVE5500 and causing an error. This might be the cause.
 - A new version of the software without monitoring seems to work.



Run II Integrated Luminosity

19 April 2002 - 23 July 2006



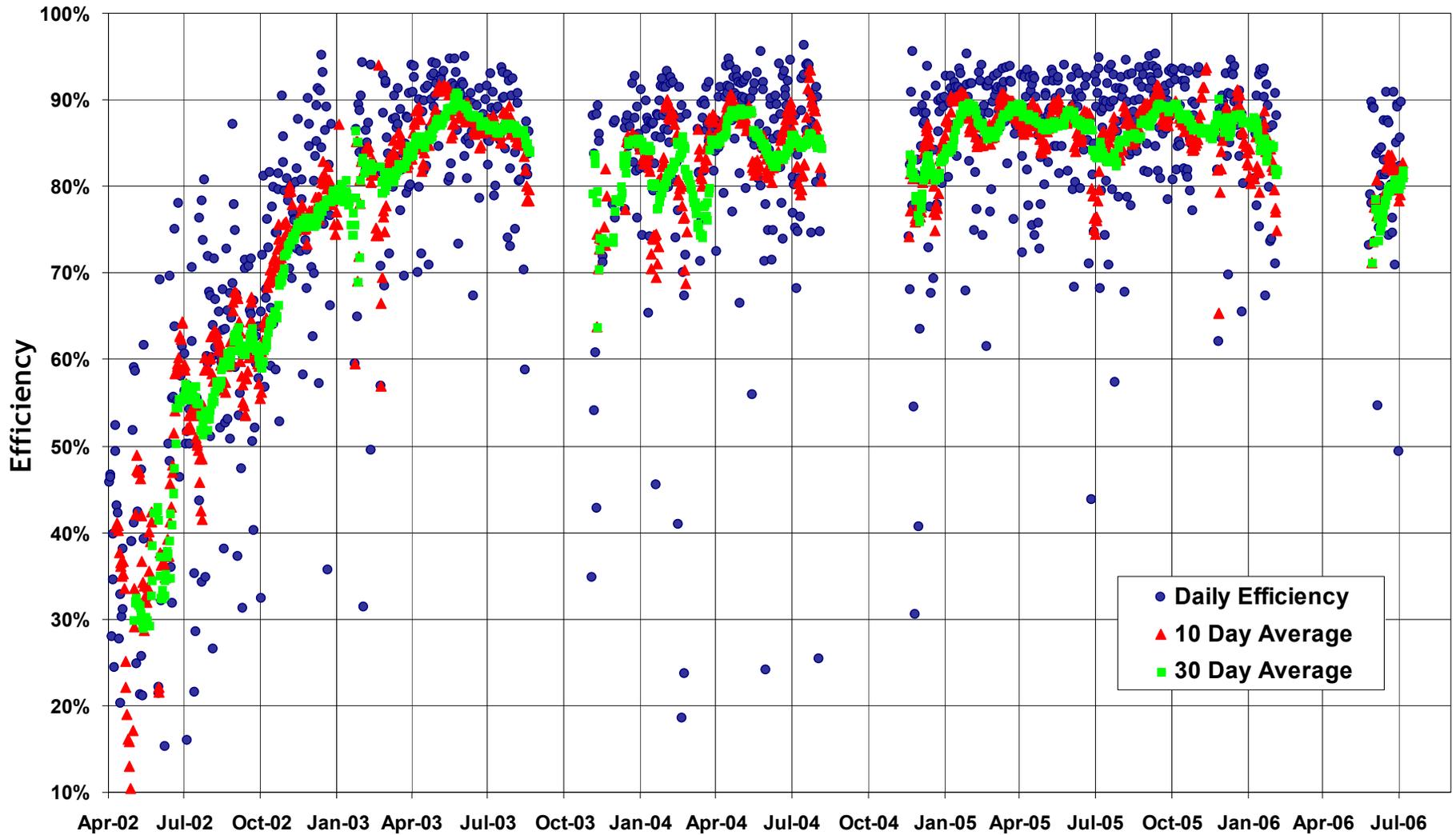
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Daily Data Taking Efficiency

19 April 2002 - 23 July 2006



24 July 2006

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