



# D0 Status Report

## 8/15/2005

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Fermilab



# Data Taking for 8/8 – 8/14

Day	Delivered	Recorded	Eff.	Comments
8/8 (Mon)	1.78 pb <sup>-1</sup>	1.67 pb <sup>-1</sup>	94 %	
8/9 (Tue)	? pb <sup>-1</sup>	? pb <sup>-1</sup>	~80 %	L1 muon crate problems Luminosity reporting down
8/10 (Wed)	>1.20 pb <sup>-1</sup>	>1.08 pb <sup>-1</sup>	~90 %	
8/11 (Thu)	1.55 pb <sup>-1</sup>	1.44 pb <sup>-1</sup>	93 %	
8/12 (Fri)	3.24 pb <sup>-1</sup>	1.86 pb <sup>-1</sup>	57 %	Lost a Cal BLS supply. Took special runs.
8/13 (Sat)	3.09 pb <sup>-1</sup>	2.82 pb <sup>-1</sup>	91 %	
8/14 (Sun)	3.00 pb <sup>-1</sup>	2.59 pb <sup>-1</sup>	86 %	

8/8 – 8/14	>13.86pb <sup>-1</sup>	>11.46pb <sup>-1</sup>	~80 %	
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# Notable events

- 8/8 (Mon)
  - Had an access to do small jobs while the feeder 47 was energized.
  - L1 muon crates powered down for the feeder work, but one of them did not come back up.
    - Replacing the supply was not successful.
  - Luminosity reporting system down, but misdiagnosed.
- 8/9 (Tue)
  - Luminosity reporting system still down.
  - L1 muon system still down.
  - Took some special runs.



# Notable events

- 8/10 (Wed)
  - Had an access to replace the L1 muon supply.
- 8/11 (Thu)
  - Took advantage of an access opportunity to do some Cal, FPD and Muon work.
  - We dropped the interlocks!
- 8/12 (Fri)
  - Store came in with pbar bunches that varied greatly ( $\sim x10$ ), causing L3 disables.
  - L1 muon crate x18 problems.
  - A Cal BLS supply down that covers 1/12 of Central Cal.
  - Took special runs for the central muon, SMT and lumi.
    - 57% of delivered luminosity was used for Physics and most of the rest used for special studies.



# Notable events

- 8/14 (Sat)
  - Had an access to repair the L1 muon crate and replace the BLS supply.
- 8/15 (Sun)
  - L1 muon crate problems at the end of the store 4330.
  - Had an access to fix the L1 muon crate x18.
    - Trip points were found to be set too low.