D0 Status Report
4/11/2005

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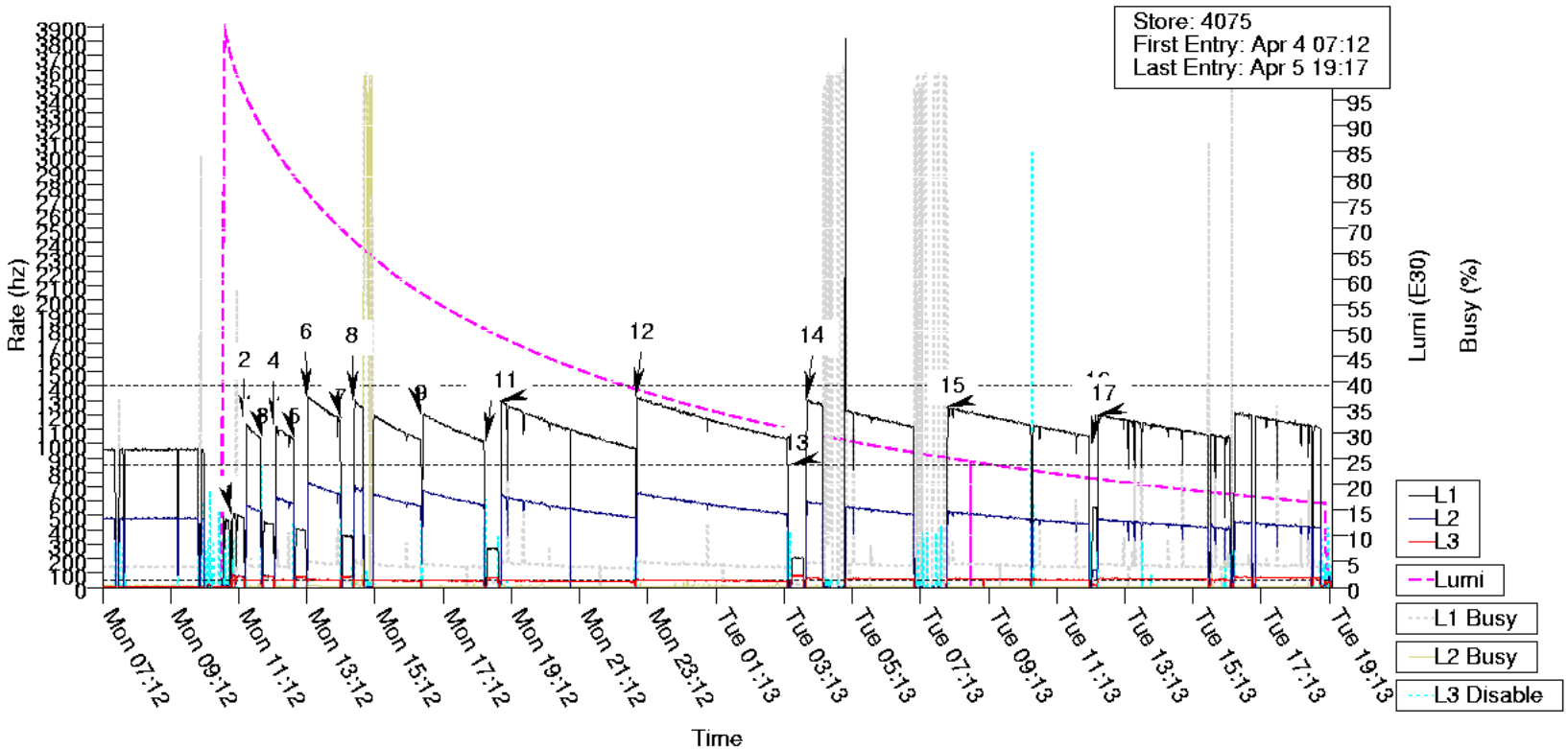
Data Taking for 4/4 – 4/10

Day	Delivered	Recorded	Eff.	Comments
4/4 (Mon)	3.043 pb^{-1}	2.686 pb^{-1}	88.2 %	Many run transitions for forward muon special runs
4/5 (Tue)	1.678 pb^{-1}	1.386 pb^{-1}	82.6 %	Tev quench due to separator sparks 40 min downtime due to x13 60 min downtime due to PDT032
4/6 (Wed)	2.649 pb^{-1}	2.382 pb^{-1}	89.9 %	25 min downtime due to x70
4/7 (Thu)	2.785 pb^{-1}	2.564 pb^{-1}	92.1 %	20 min downtime due to CTT
4/8 (Fri)	0.706 pb^{-1}	0.662 pb^{-1}	93.8 %	Toroid water line repair Controlled access
4/9 (Sat)	2.385 pb^{-1}	2.193 pb^{-1}	92.0 %	
4/10 (Sun)	3.017 pb^{-1}	2.676 pb^{-1}	88.7 %	20 min downtime due to x66

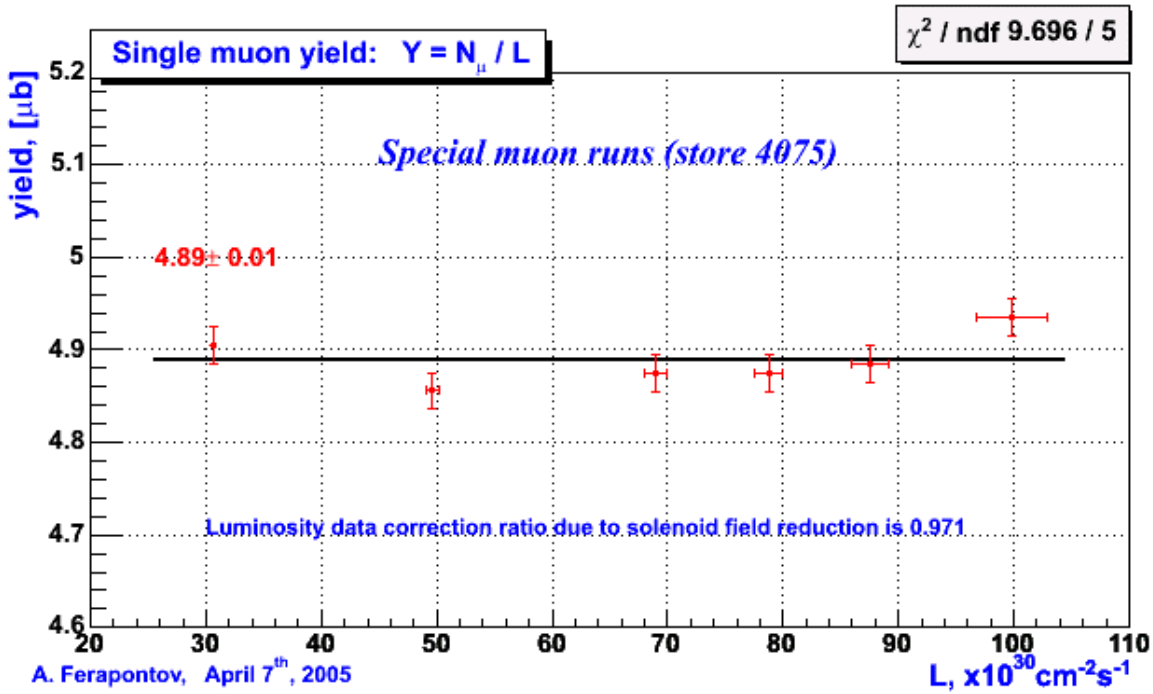
4/4 – 4/11	16.263pb^{-1}	14.549pb^{-1}	89.5 %	3rd best in recorded lum

Forward Muon Special Runs



Normalized Muon Yields

- 6 special muon runs collected during Store 4075 on April 4-5, 2005
- Runs have been processed on the Fermilab farms with p17.03.03 D0 reco
- Single muon yields (see D0 Note 4771 for details how yields are measured) have been obtained



Error bars along luminosity axis correspond to the luminosity changes during run

Notable events of the week

- Took forward muon special runs to study our luminosity measurements.
- Repaired a small leak in the water supply line to our Toroid magnet between stores.
- Had a controlled access
  - Repaired ODH heads in the Collision Hall
  - Swapped Muon PDT FEBs
  - Swapped FPD AFE boards
- Changed the D0 clock timing by 1 nsec to compensate for the seasonal variations.
- Finished collecting10 million Hadron Calorimeter calibration events using spare band width.
- Started taking additional EM Calorimeter calibration events instead of Hadron Calorimeter calibration events.

Summary

- We ran decently.
  - Efficiency was 89.5 %.
- Recorded Luminosity (14.5 pb^{-1}) on 4/4-4/10 was the 3rd best in Run II.