



NORTHERN ILLINOIS  
UNIVERSITY

# D0 Status Report

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All Experimenters' Meeting  
23 January 2006



# Data Taking

Day	Delivered Lum ( $\text{pb}^{-1}$ )	Recorded Lum ( $\text{pb}^{-1}$ )	Efficiency (%)	Comment
9 Jan	4.60	3.84	83	1 hour down due to muon readout crate
10 Jan	3.40	2.92	86	20 minutes down for STT readout crate
11 Jan	1.56	1.02	65	Forward muon and FPD special runs. 90 min down due to muon readout crate
12 Jan	3.90	3.44	88	
13 Jan	3.72	2.98	80	FPD and Silicon special runs 30 min down for Cal test
14-22 Jan	0.00	0.00	0	
9-22 Jan	17.2	14.2	83	



# Significant Events

- 9 January
  - Lost one hour of data at the beginning of the store due to a muon PDT readout crate.
- 10 January
  - Right after store 4587 was declared, the pbar halo rates jumped to over four times normal. The first run was declared bad.
- 11 January
  - We took special muon and FPD runs for the last four hours of the store.
  - Lost 90 minutes of data at the beginning of the store due to a muon PDT readout crate.
- 13 January
  - Special FPD and Silicon runs taken at the end of the store.
  - Used the first 30 minutes of the store for Cal noise studies.
- 21 January
  - L1CAL water leak

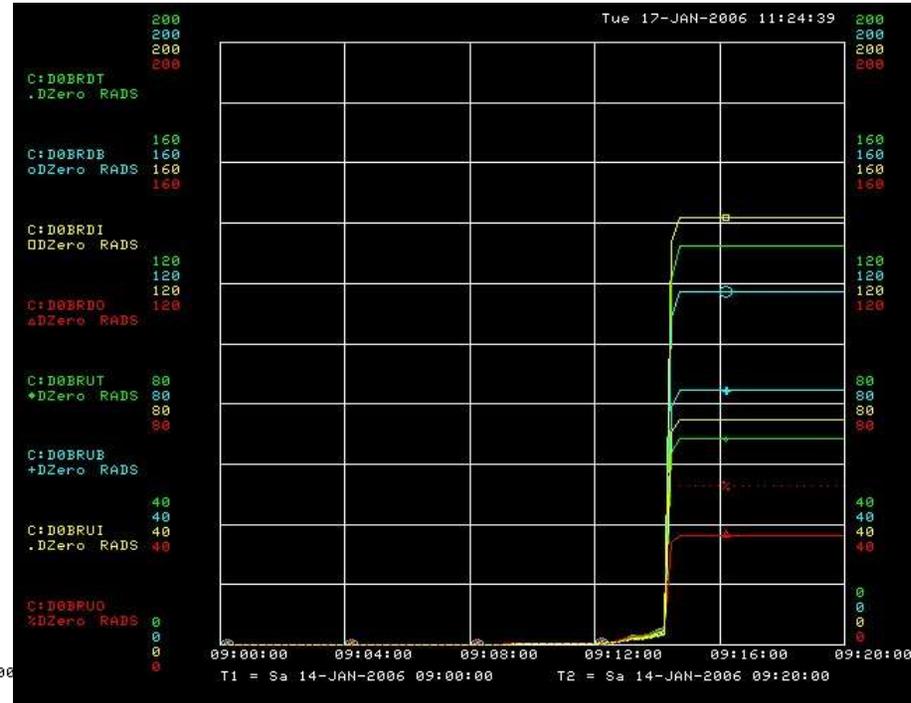
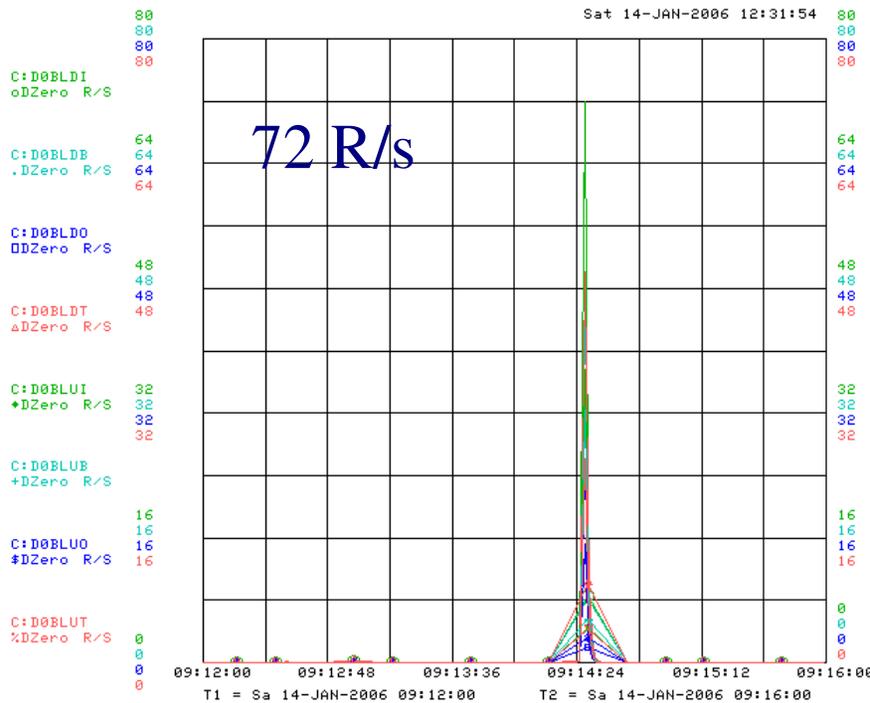


# Accesses

- 13 January - Controlled
  - Muon PDT repair.
  - FPD analog front end board repair.
- 14 January - Controlled
  - Muon PDT repair due to quench.
- 16 – 23 January - Supervised
  - Work on AFE2 boards.
  - Calorimeter pre-amp check.
  - Calorimeter pre-amp power supply harness tightening.
  - Calorimeter BLS Power Supply upgrades.
- 19 – 23 January
  - Detector open.



# Store 4591 Quench



142 R

38 R

- No apparent SMT Damage
  - No difficulties downloading HDIs, ramping up HV
  - Calibrations look fine
  - No problems reported in the last 7 days



# Plans

- D0 will end supervised access this evening at 20:00.
- There will be a controlled access from 08:00 to 12:00 tomorrow morning for a survey of the detector.
- Ready for beam.