

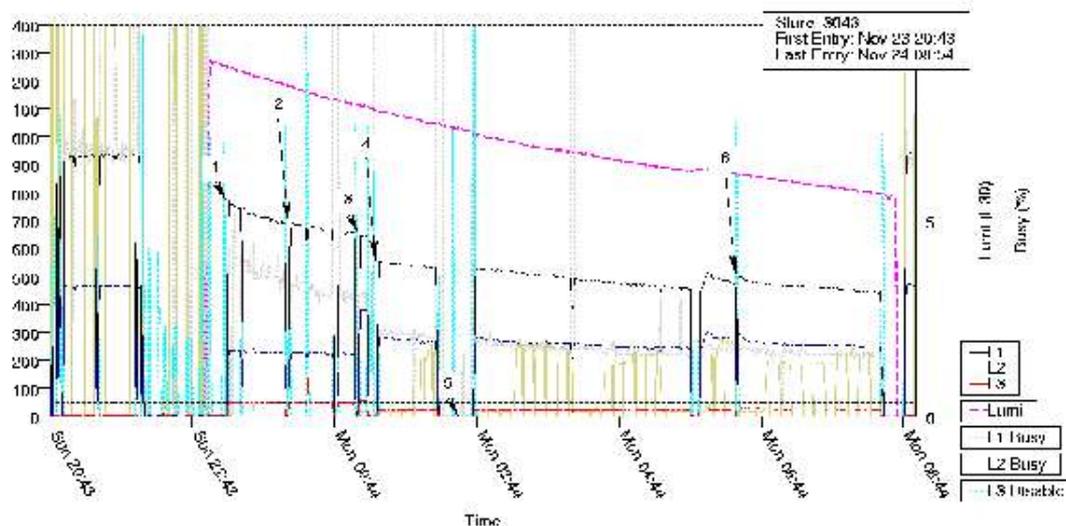


- Last week
 - ◆ Commissioned all parts of the D0 detector during accelerator studies
 - ◆ List of problems in the hall has been identified and most of them resolved during Saturday morning access
 - ◆ We succeeded in reading all detectors stably in zero_bias (no beam) mode
- Saturday store
 - ◆ First post-shutdown store
 - ◆ We did not know exactly how much time could be used by experiments in advance
 - ▲ Magnets have not been ramped
 - ◆ We did collect short run with physics trigger list, but it was too short to debug seriously any of the sub-systems



Sunday November 23rd Store

- All DO sub-systems have been prepared for the store coming Sunday evening. Known problems before the store
 - ◆ Failure the calorimeter front-end crates power supply
 - ▲ Provides power to the 2 calorimeter crates
- Started data taking with ALL crates in readout with global physics trigger list 3 minutes after store has been declared
 - ◆ Very smooth data taking for the duration of the store, overall data taking efficiency is ~ 90%





First 36x36 Store

- Comments on the beam conditions
 - ◆ Beam halo is well within specs
 - ◆ Beam position in transverse
 - ▲ Within ~100 microns from pre shutdown location!
 - ◆ Beam position along beam axis
 - ▲ Within ~5cm from detector center
 - ◆ Beams crossing time is within 1-2ns in comparison with pre-shutdown
- Issues discovered
 - ◆ Bug in muon Level 2 filtering - resolved ~ 2 hours into the store
 - ▲ Very efficient response from the DO Level 2 group
 - ◆ New fiber tracker hit map not propagated to Level 3 executable
 - ▲ No (correct) filtering on tracks
 - ◆ Noisy test triggers in fiber tracker
 - ▲ Masked within 2 hours of the store
- Runs collected during today's owl shift have been reconstructed on the farms and experts are analyzing data



DO Summary

- Started data taking after shutdown smoothly
 - ◆ No major problems discovered
 - ◆ Reading all detector during data taking
 - ▲ 5 silicon trigger crates and new luminosity readout crate are in readout
 - ◆ List of problems have been identified and experts are working on them
- The only current known problem which prevents DO from taking physics data is calorimeter front-end power supply
 - ◆ Failed about 20 minutes after access has been over
 - ◆ Trying (at this moment with no success) to keep it ON for more than a few minutes
 - ◆ If not resolved until tomorrow morning will request 1 hour access Tuesday
 - ▲ Experts are not around starting Wednesday
- We are all at DO pleased with Beams Division efficient accelerators commissioning during first post-shutdown week culminated in Sunday evening store
 - ◆ Looking forward for physics quality data taking within a few days