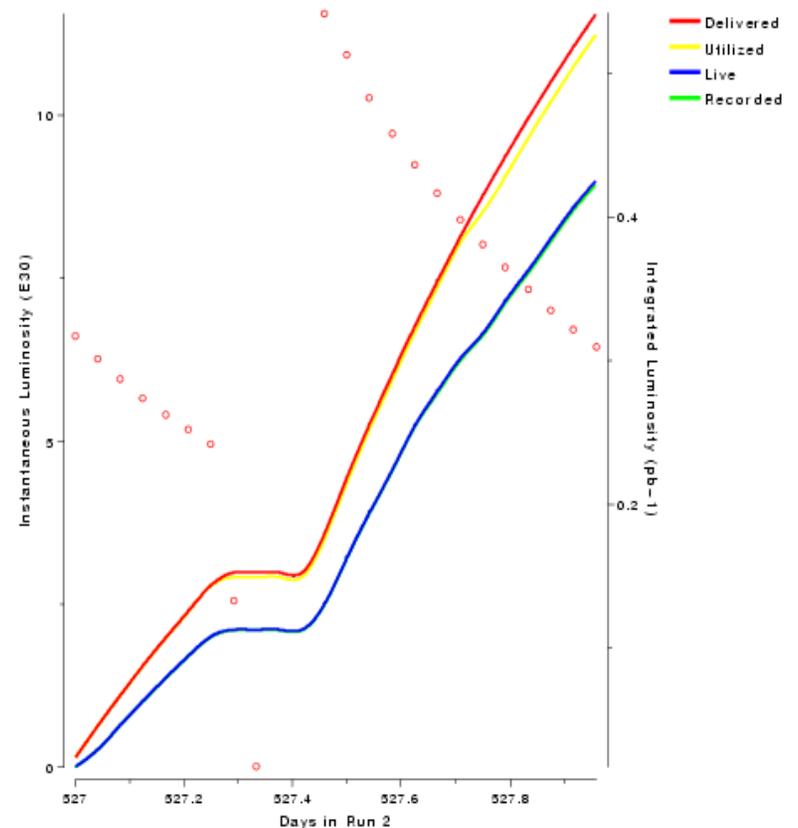
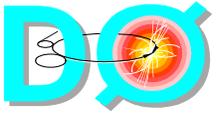


Week of August 5 to August 12 D0 Summary

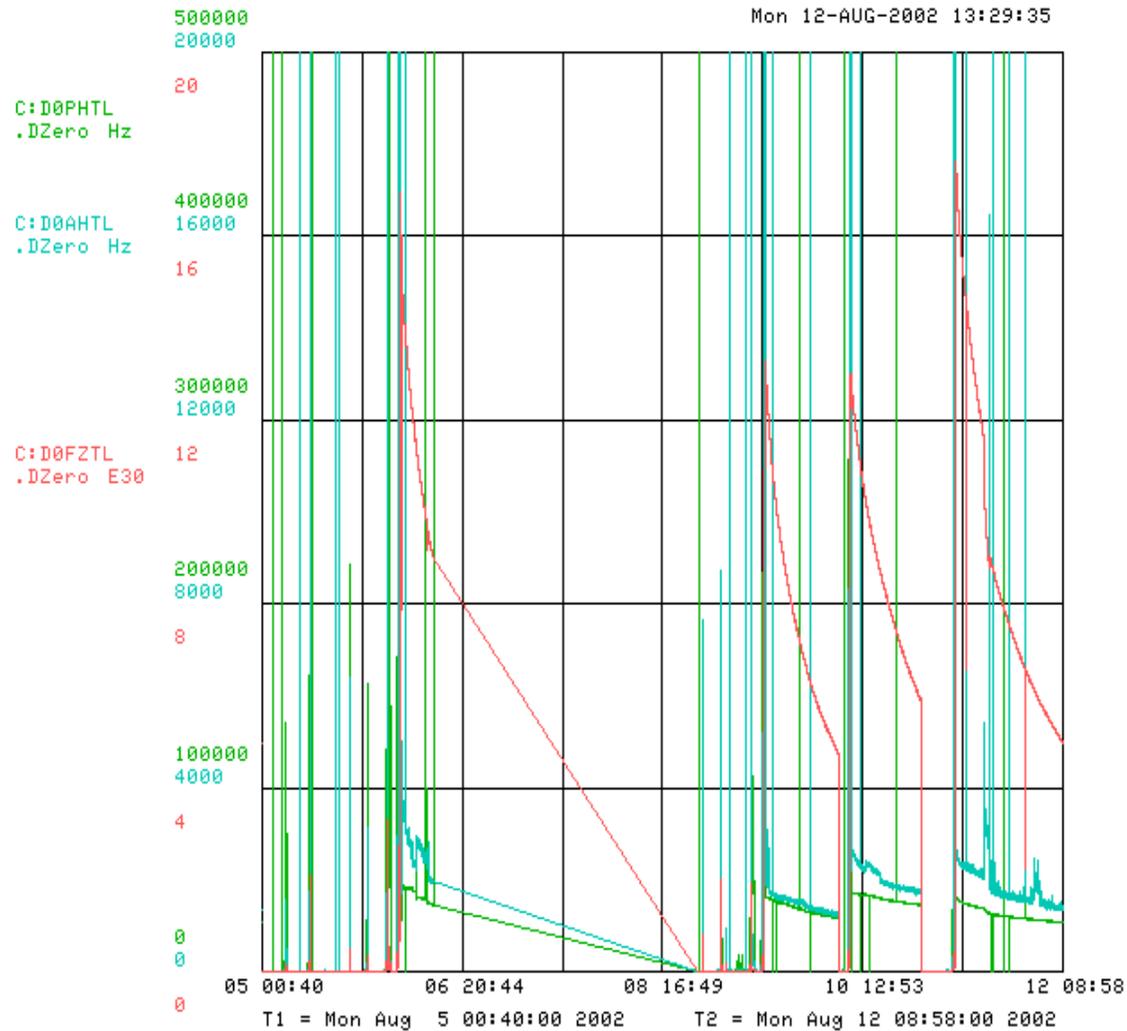
- Delivered luminosity and operating efficiency
 - ◆ Delivered: 1.9pb^{-1}
 - ◆ Recorded: 1.2pb^{-1} (~65%)
- Data taking efficiency
 - ◆ front-end busy down to 1%
 - ◆ no major hardware/software problems
 - ◆ muon readout code crashes issue resolved
 - ◆ during weekend our “to tape” efficiency was stable at ~85%
- D0 dead time
 - ◆ definition: global run is not configured during store
 - ▲ major hardware or software problem
 - ◆ was stable at ~20-25% over last year
 - ◆ down to ~10% over last month

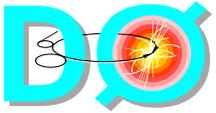




Accelerator Halo

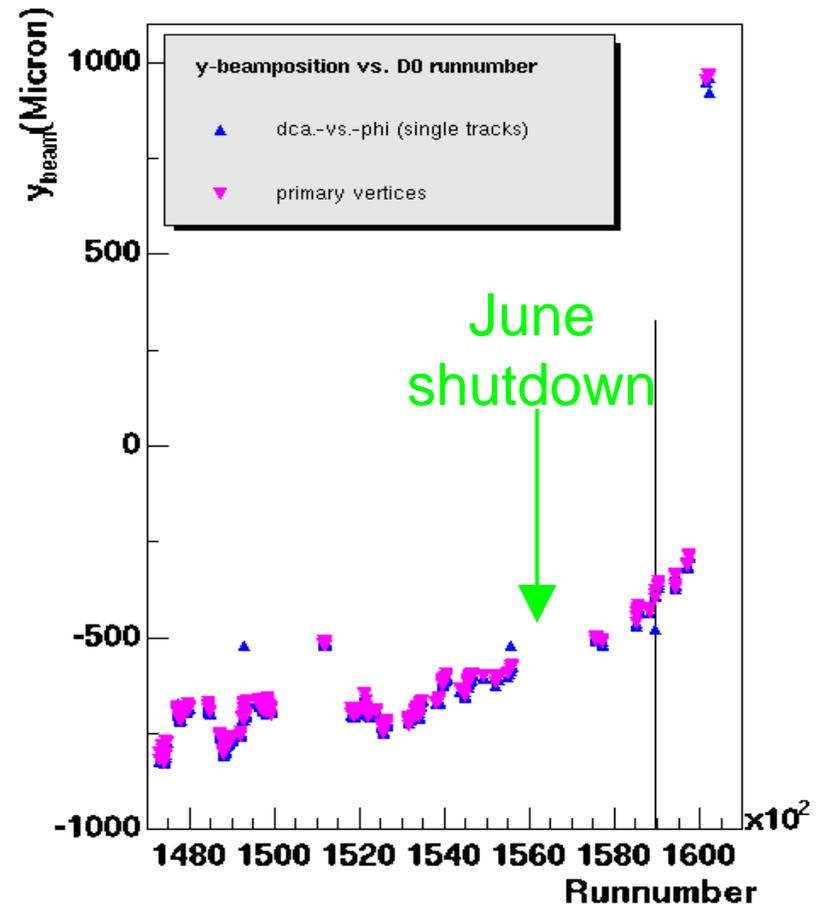
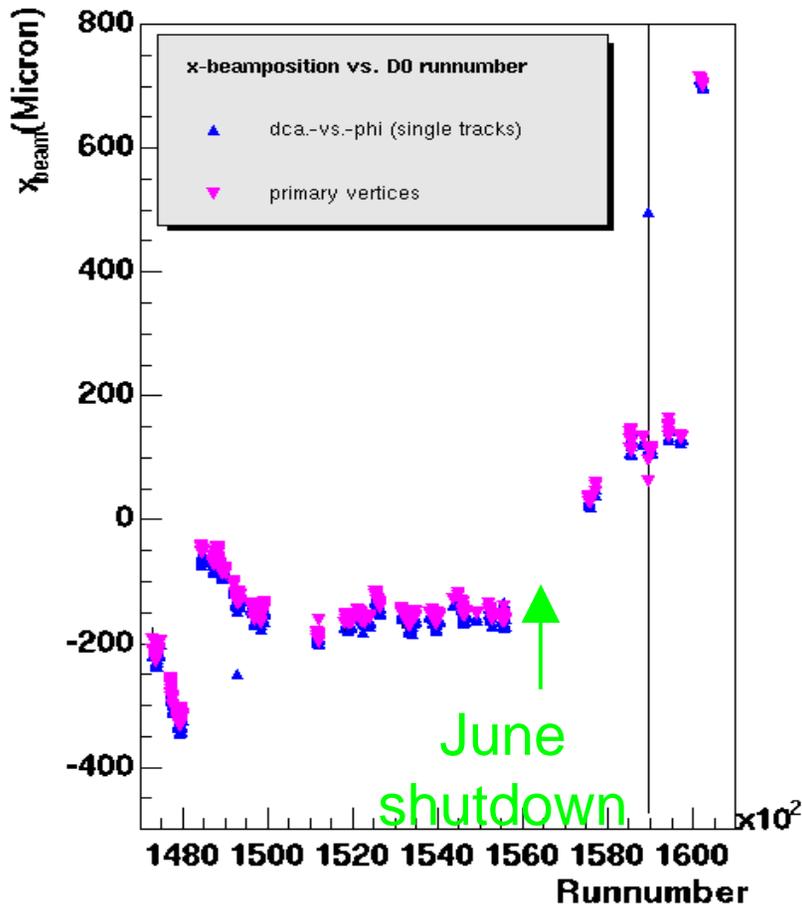
- Over last week beam halo was stable

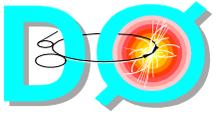




Beam Position

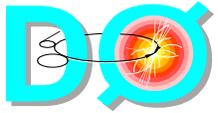
Beam position at D0 was adjusted last week. Currently beam spot is within 0.3mm from detector center.





D0 Detectors Status

- Luminosity detector
 - ◆ Stable operation
- Silicon detector
 - ◆ Power supplies are running well
 - ◆ Noises stable: ~94% of channels are in operation
- Calorimeter
 - ◆ Stable
 - ◆ Calibration of Level 1 trigger energy scale
 - ◆ Optimization of readout zero suppression cut
- Muon
 - ◆ Stable operation
- Forward proton detector
 - ◆ inserting pots during most stores
 - ◆ integrating FPD into global D0 DAQ



Summary

- DØ detector is progressing well with physics data taking
 - ◆ no major problems with detectors/electronics/triggers/DAQ
 - ◆ all detectors are in readout
 - ◆ trigger list 8.10 is running on-line
 - ▲ Level 1 trigger rate is 0.2kHz
 - ▲ Level 2 trigger rate is 0.12kHz
 - ▲ Rate to tape ~30 Hz
 - ▲ Collected ~4 mln. events last week
- Jobs in progress during today's access
 - ◆ muon PDT LVPS work
 - ◆ Level 1 muon cables checks
 - ◆ calorimeter power supply checks
 - ◆ fiber tracker trigger commissioning
- Ready to continue data taking as soon as beam is back