

# D0 Computing Performance

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D0 Computing and Software

# SAM

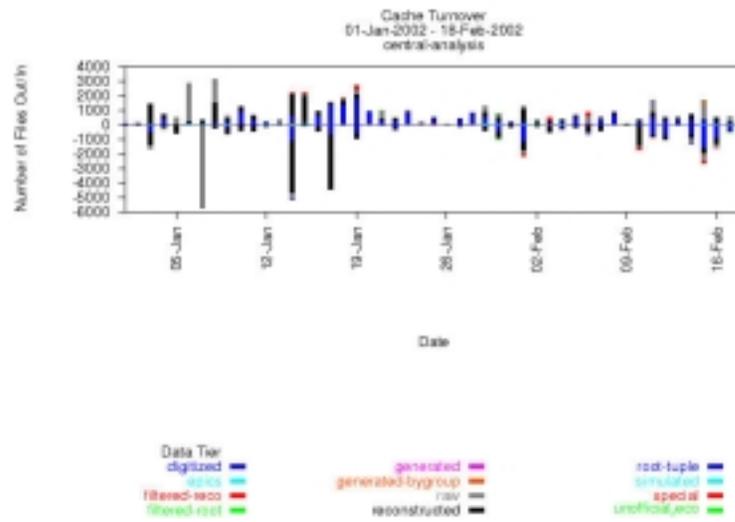
## Data Access and event catalog

14 SAM stations world wide

Used by online and production farms for transfers

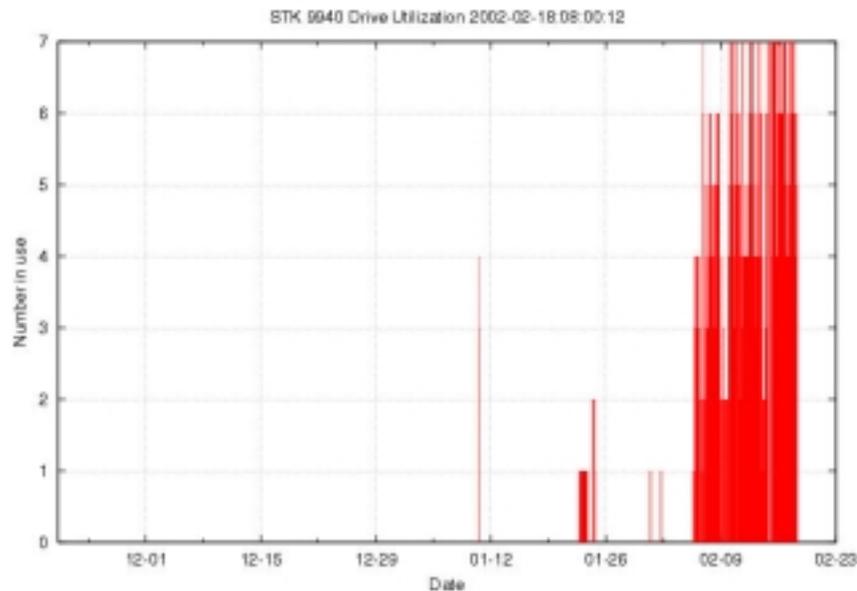
Used by experimenters to access the data.

Interfaces to Enstore for local mass storage



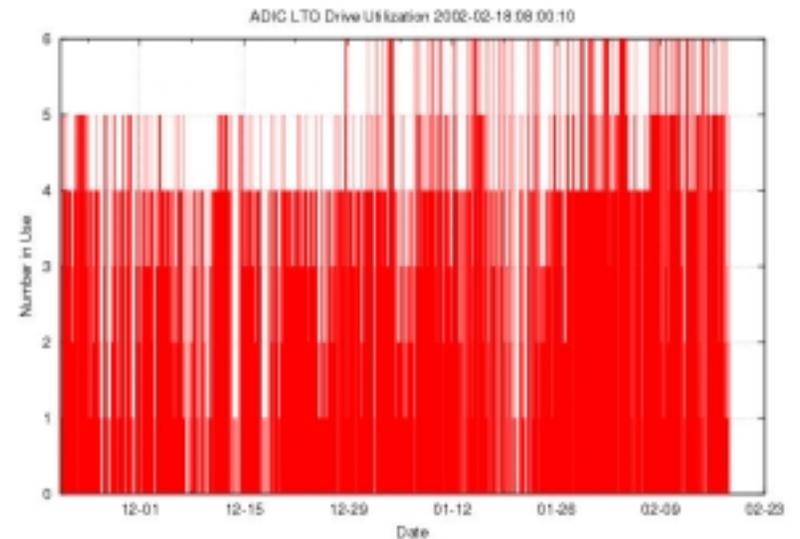
# Tape Drive Usage

STK 9940—online logging,  
Reconstructed data



300 TB capacity in silo  
6 TB written

IBM LTO drives in ADIC  
AML2 robot, used for  
MC data storage, user data



750 TB capacity  
20 TB current MC  
46 TB “stuff”

# Farm Processing status

Reco Summary for 02/05/2002 and 02/12/2002

Raw data in between 02/05/2002 and 02/12/2002

Total File Size: 525,965,981 KB

Total Event Count: 3,456,858 152 KB/event

Raw data Reco out between 02/05/2002 and 02/12/2002

Total File Size: 701,550,408 KB

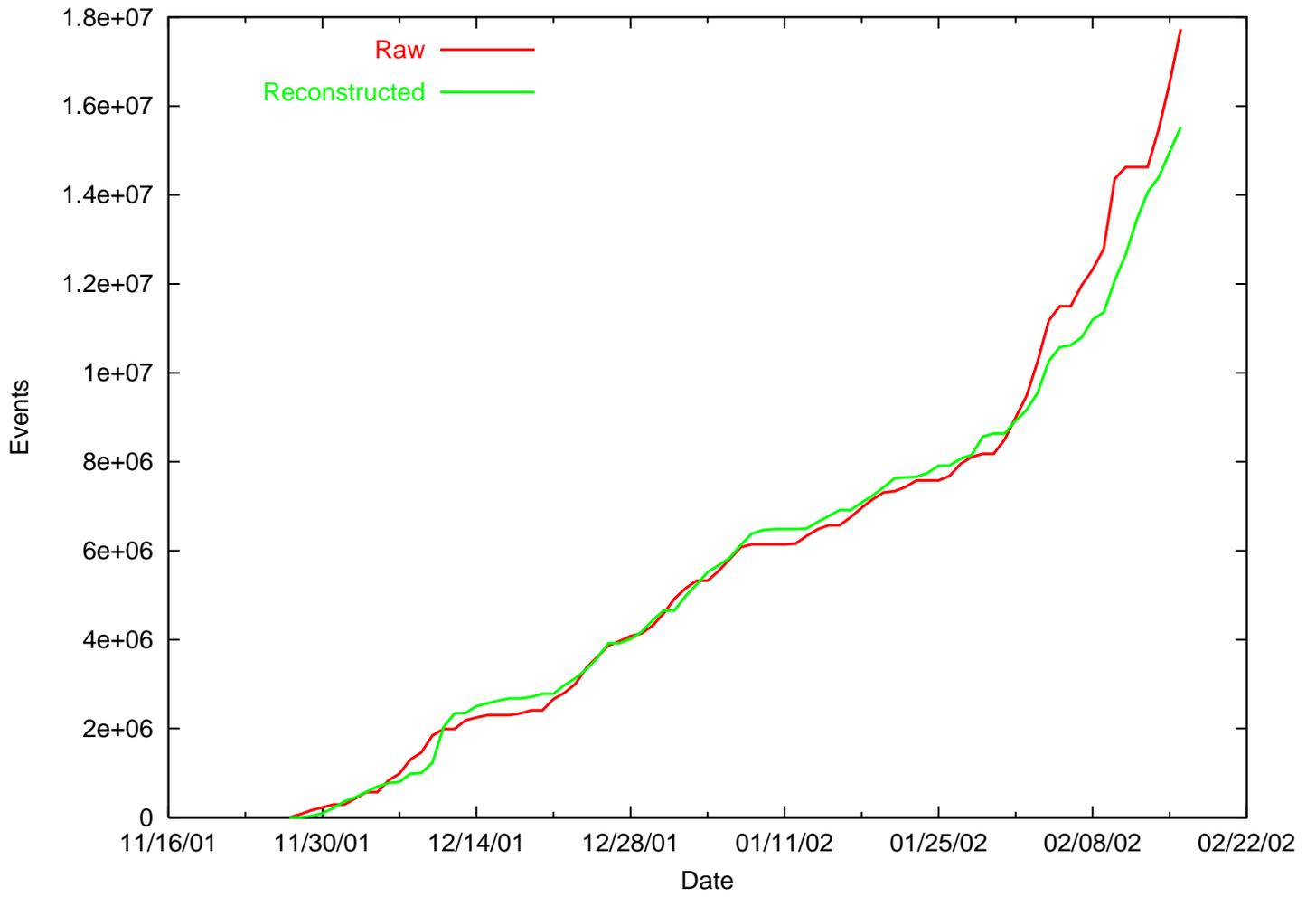
Total Event Count: 2,397,543 293 KB/event

reprocessing for Moriond and waiting for new reco version  
led to lower event count out

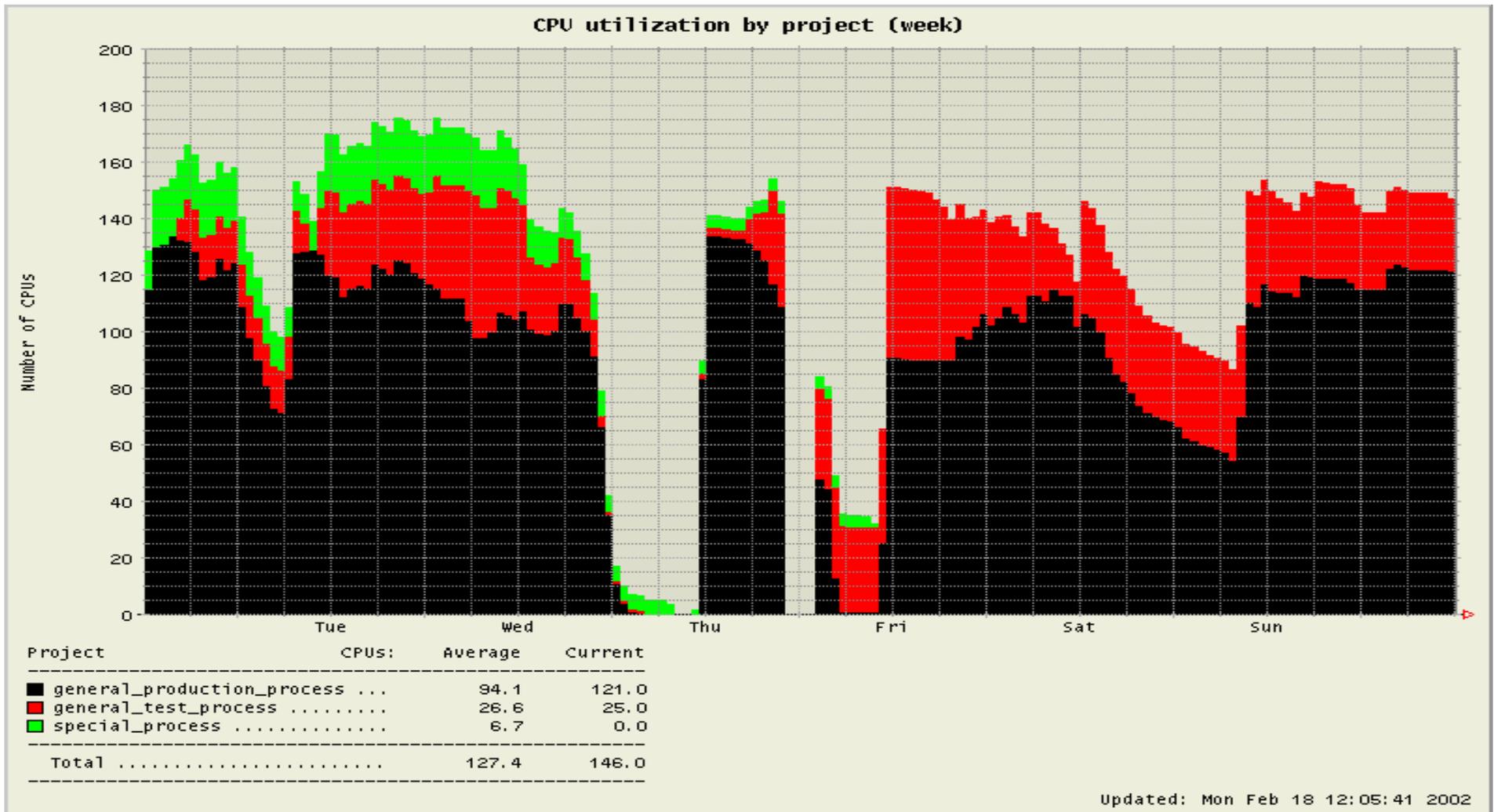
~10 Million event backlog

2.5 M processed with p10.14.01

32 1 GHz nodes will be turned over  
To D0 today.



# Farm Processing



# Reco summary

- Production release p10.11 used for processing for post-shutdown data.
- P10.14.01 has superseded p10.11, and we have reprocessed the p10.11 data
  - Improved SMT tracking
  - Viable CFT tracking
  - General improvements in many areas
- We are behind schedule for p11

# Summary

- SAM is in general use by D0, at FNAL and offsite.
- New tape robot is working well, we are understanding usage patterns
- Farm capacity is not overly generous for the next few months, but workable.
- Progress continues development of the Reconstruction.