

# Langston University Site Report

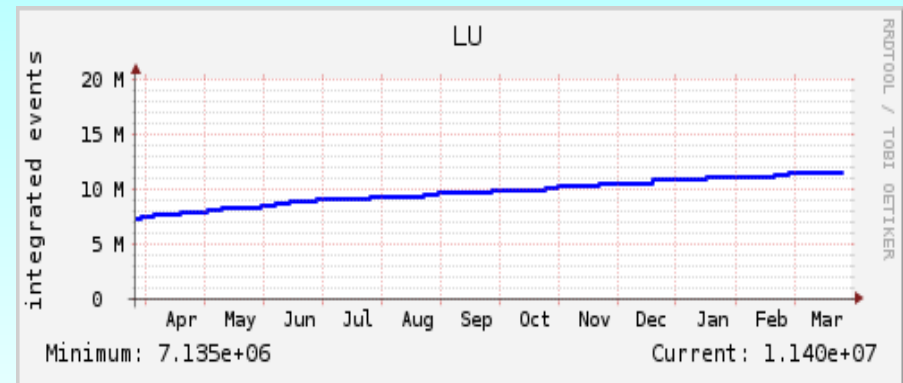
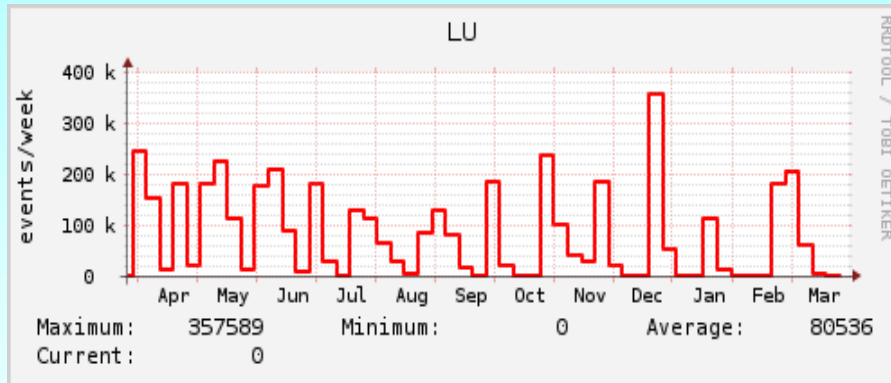


# Cluster Facts

- Desktops & rack mount - 13 nodes, 28 CPU cores, 40 GB RAM, 3.3 TB disk
  - 10 nodes, 24 CPU cores, 56 GHz-core for production
  - 2 Condor pools – Samgrid & OSG gatekeepers
- 23 GFlops as reported by Condor
- Debian Gnu/Linux OS 5.0
  - Kernel 2.6.26, Glibc 2.7
- Network has 1000 Mbs intracluster, 100 Mbs intercluster

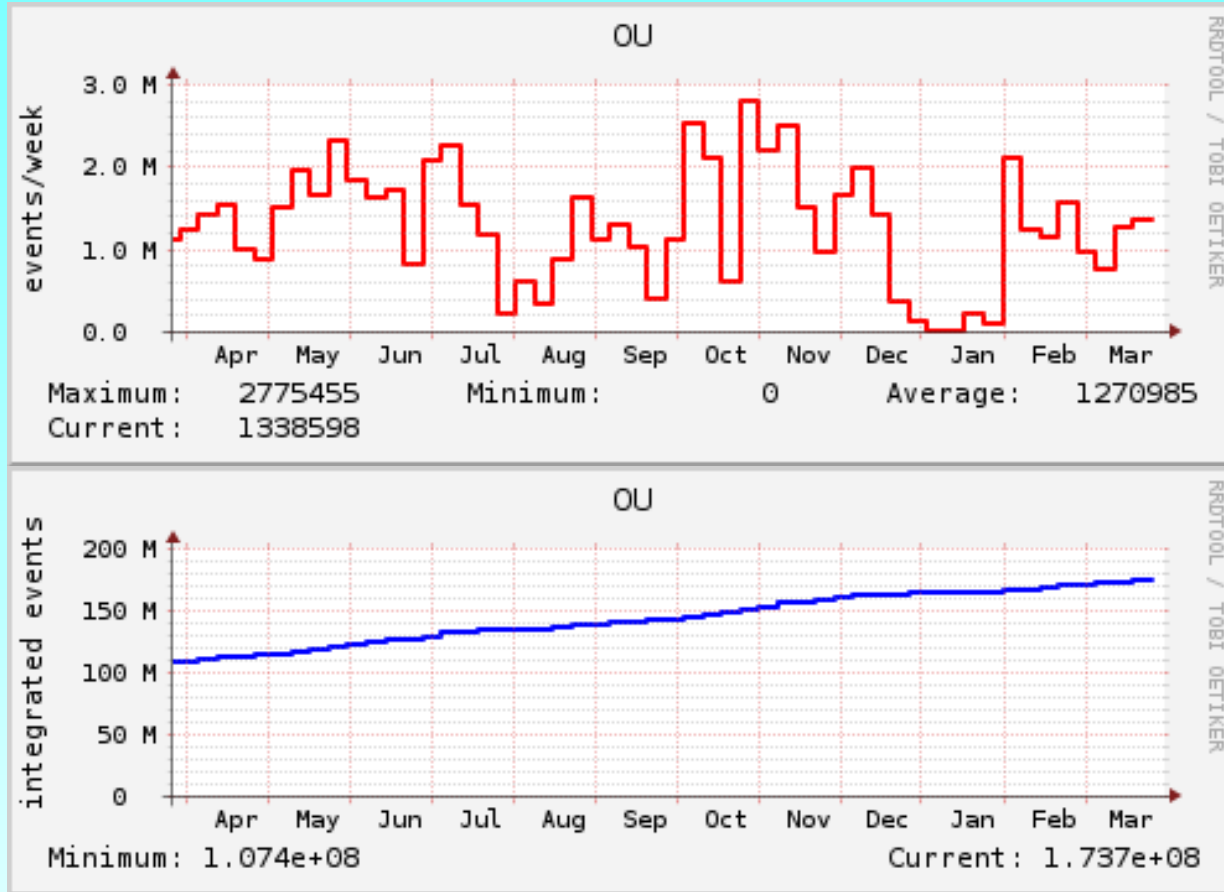
# LUHEP DØ MC Production

- SAMGrid installed and operating at LU since April 2004
- SAMGrid execution site and submission site
- 11.4M events in mcp17/20 era (+61% from 2009/4)
- Developed Automatic MC Production System
  - deployed at d0mino6.fnal.gov (Samgrid, OSG, LCG)



Cumulative since September, 2005

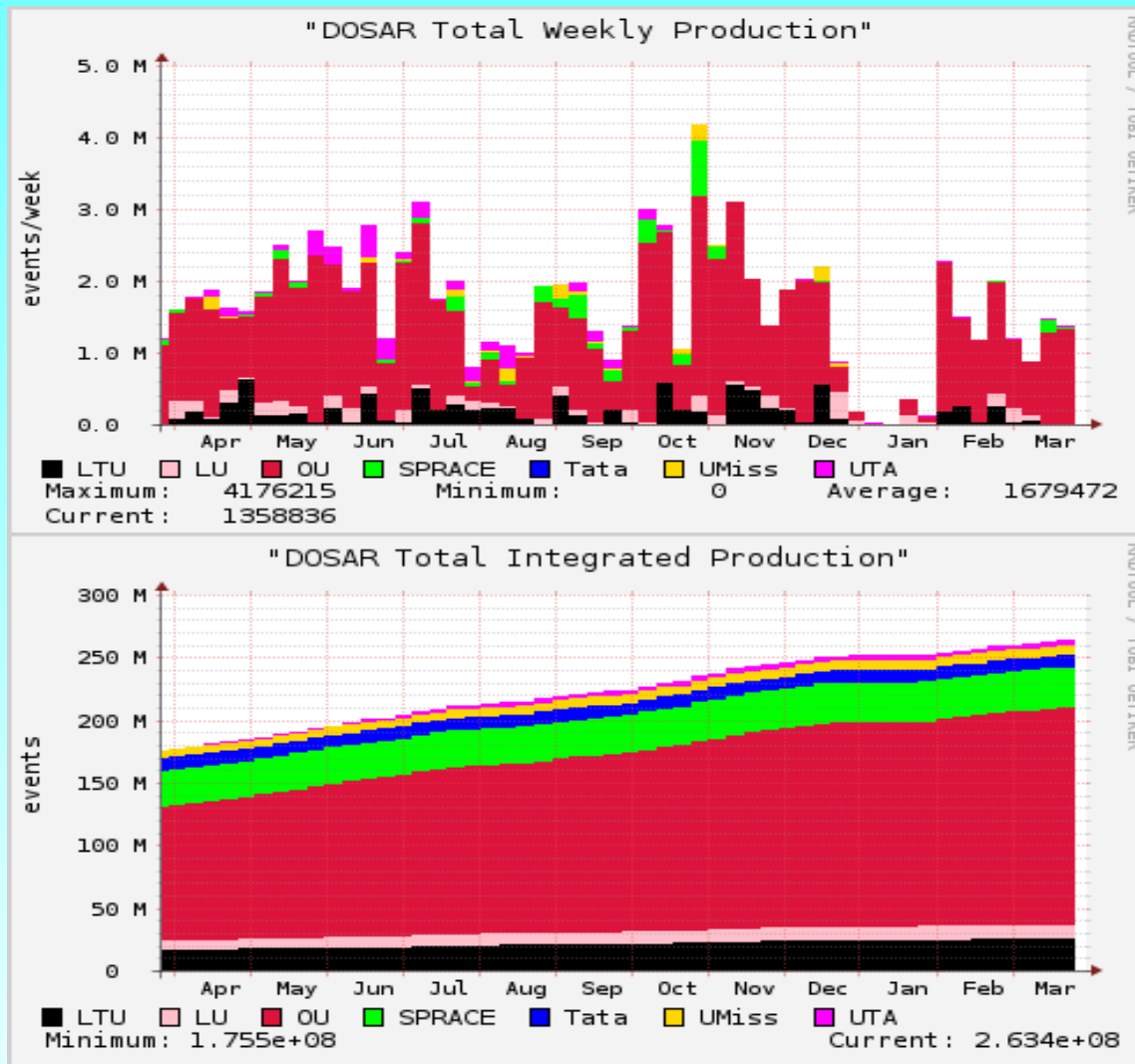
# OU DZero Production



Cumulative since September, 2005

173.7 Million Events (+61.7% from last year)

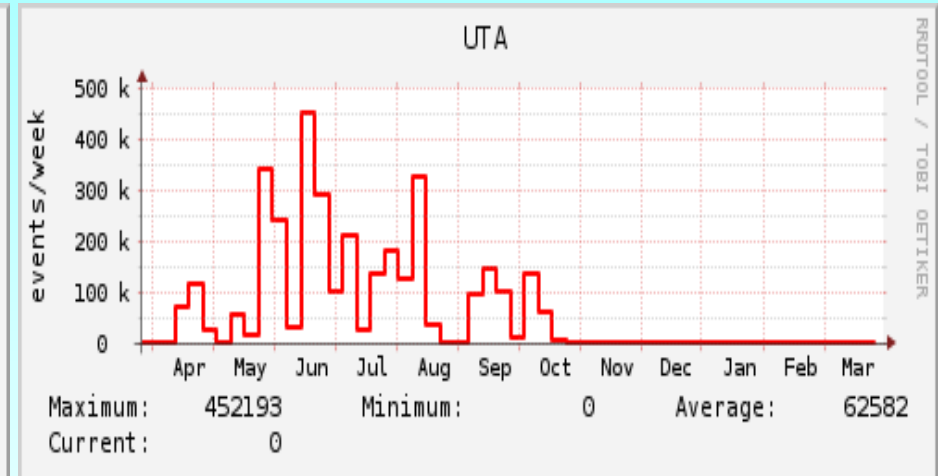
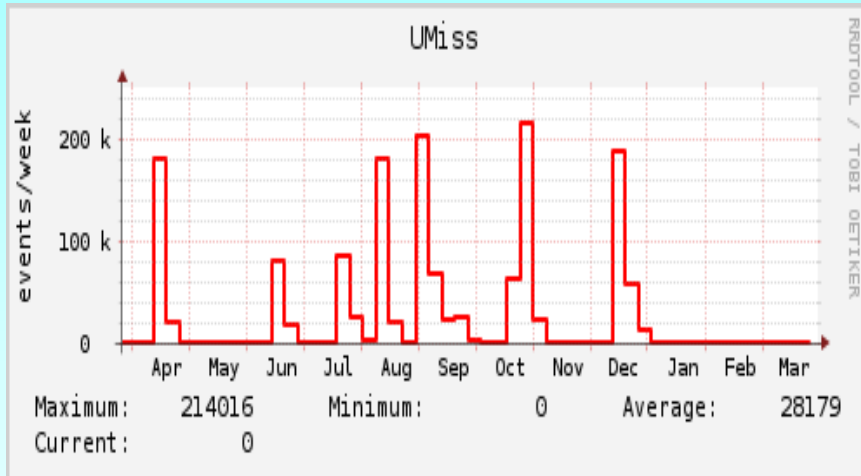
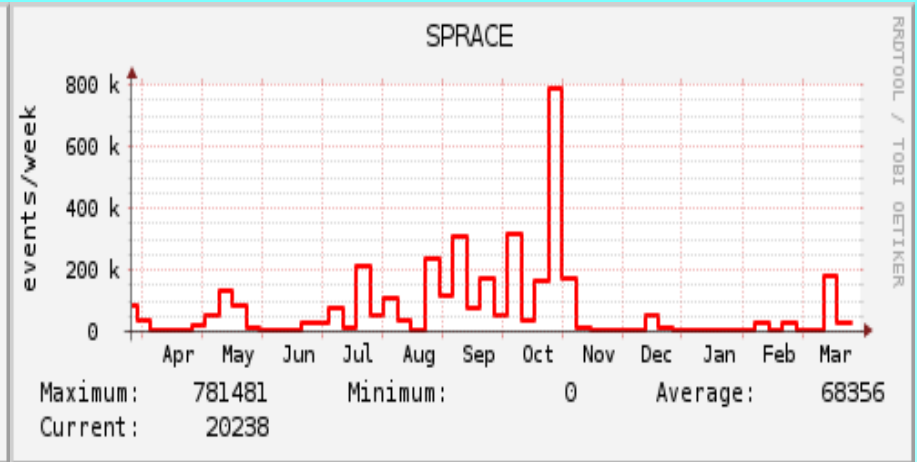
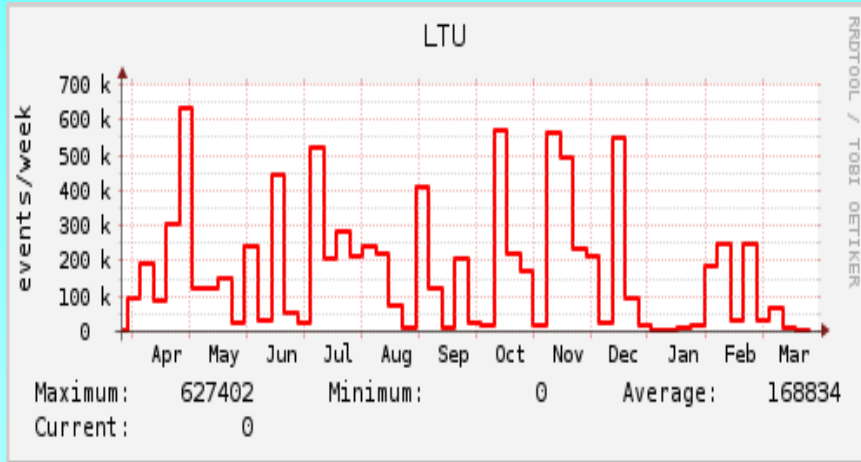
# More DOSAR Production



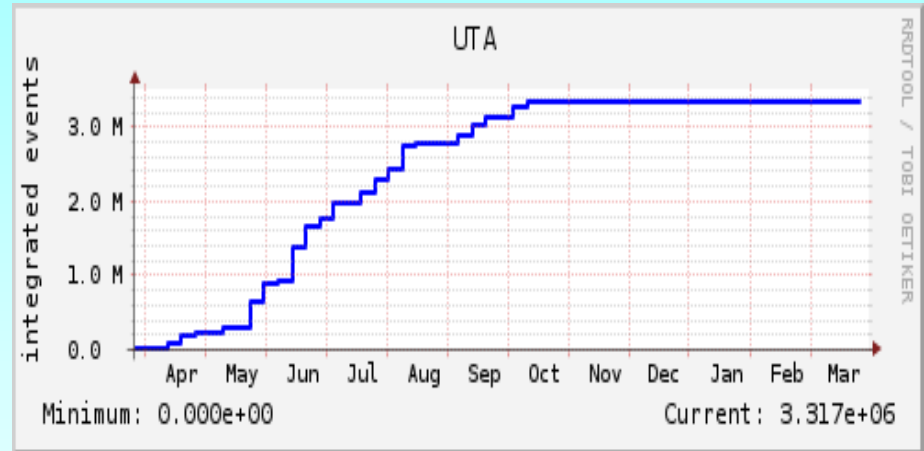
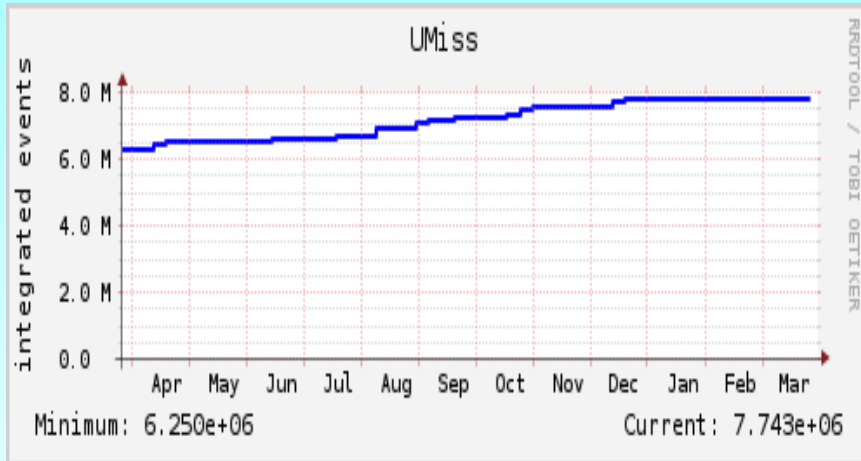
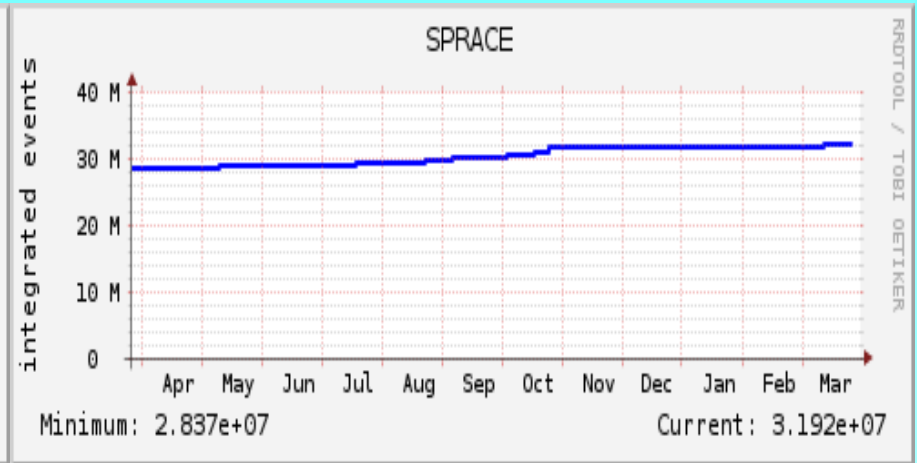
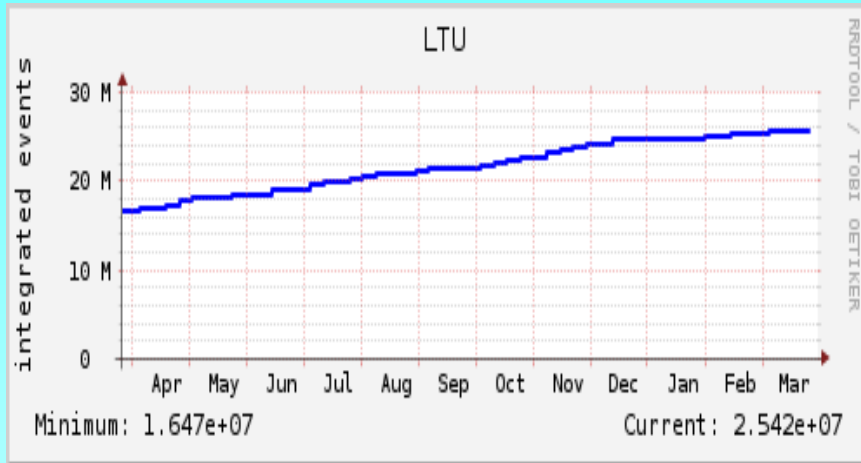
Cumulative since  
September, 2005

175.5 Million Events (+50.1% from last year)

# More DOSAR Production



# More DOSAR Production



Cumulative since September, 2005

# LU ATLAS SW Tier 2 Contributions

- 100 TB of storage for SE at OU
- 23 dual quad core compute nodes



# Future Plans

- Continue DØ MC production
- Obtain more machines
- ATLAS monitoring and outreach project