### **US ATLAS**

# Western Tier 2 Status and Plan

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## **Resource for ATLAS**

◆ DQ2 site service

2.3 TB NFS space (NetApp) for DQ2 repository
500 GB NFS space for ATLAS production software
7 % fair share of SLAC "shared" LSF batch resource *for Production*

100-250 simultaneous jobs are typical



Grid infrastructure. Gatekeeper/gridftp, GUMS







Have > 23 non-SLAC ATLAS users ♦ Access to LSF by local ATLAS users ♦ Local users also use DQ2 Sometimes interfering with Production • AFS space for ATLAS software Kit and environment ◆ 2.65 TB NFS work space for local ATLAS users ♦ ATLAS release mirrors ◆ Western Tier 2 site web page



# SLAC HPC Current Network



#### **Provided by SLAC network group : Les Cottrell and Antonio Ceseracciu**

# SLAC HPC Network Plan



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**Provided by SLAC network group : Les Cottrell and Antonio Ceseracciu** 



SWH-FARMCORE1:9/1-141-x1025 (F-1000(Fixed)Mb-v84)<->OSGSERV01 Mbits/sec





## Challenges

High Maintenance of DQ2 site service Debugging DQ2 logs is a daily job > Frequent restart of DQ2 site services > Web interface to LRC is still a security concern And a well known LRC database password Unpredictable CPU usage of jobs Difficult to adjust batch queues, reduce batch utilization Condor-G leaves behind orphan job status files.