



SLAC Site Report

Chuck Boeheim



BaBar final run: Dec 07 - Sep 08

GLAST launch May 08

ATLAS Tier 2 Center operating

Active ILC community

KIPAC continuing to grow

LCLS Operations commence 09

XLAM, PULSE becoming established



Jonathan Dorfan steps down as director,
Persis Drell acting

Operating contract competition

Management and Operation Review

Security Reviews, Audits, and Tests

Continuing power and cooling shortage

Expansion into Sun Black Boxes

Aggressive replacement strategy

40 file servers → 11 Thumpers

900 compute nodes → 100 quad-cores

Studying modular data centers

Power Line Harmonics

Large numbers of similar power supplies induced high-order harmonics

Machines would mysteriously power off

Installed active harmonic filter on worst circuit to cure problem

Now looking at filters on all circuits

Capacity

252 Dual-dual Opterons - BaBar & others

140 Dual-dual Opterons - Atlas & Glashow

126 Dual-quad Xeons - BaBar & others

90 Dual-dual Opterons - Infiniband

ssh upgrade

Drop AFS token-passing support

Institute GSSAPI ticket-passing

Soon:

- Eliminate .rhosts

- Eliminate protocol 1

- Eliminate RSA-1 keys

A photograph of a server room with rows of server racks. A red stop sign is visible in the foreground, partially obscuring the racks. The text is overlaid on a dark semi-transparent background.

Eliminating Kerberos 4

All K4 services converted to K5

Converting machines from pam-afs to pam-krb5

Eliminating klog - promoting kinit

Full production Sharepoint 2007 service

Over 200 'sites' defined in Sharepoint

Groups using

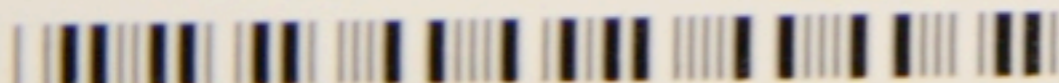
document sharing

wiki

calendars

workflow (just a few)

SLAC U.S. Govt PC69366



microsystems



Questions?

