

ScotGrid Report

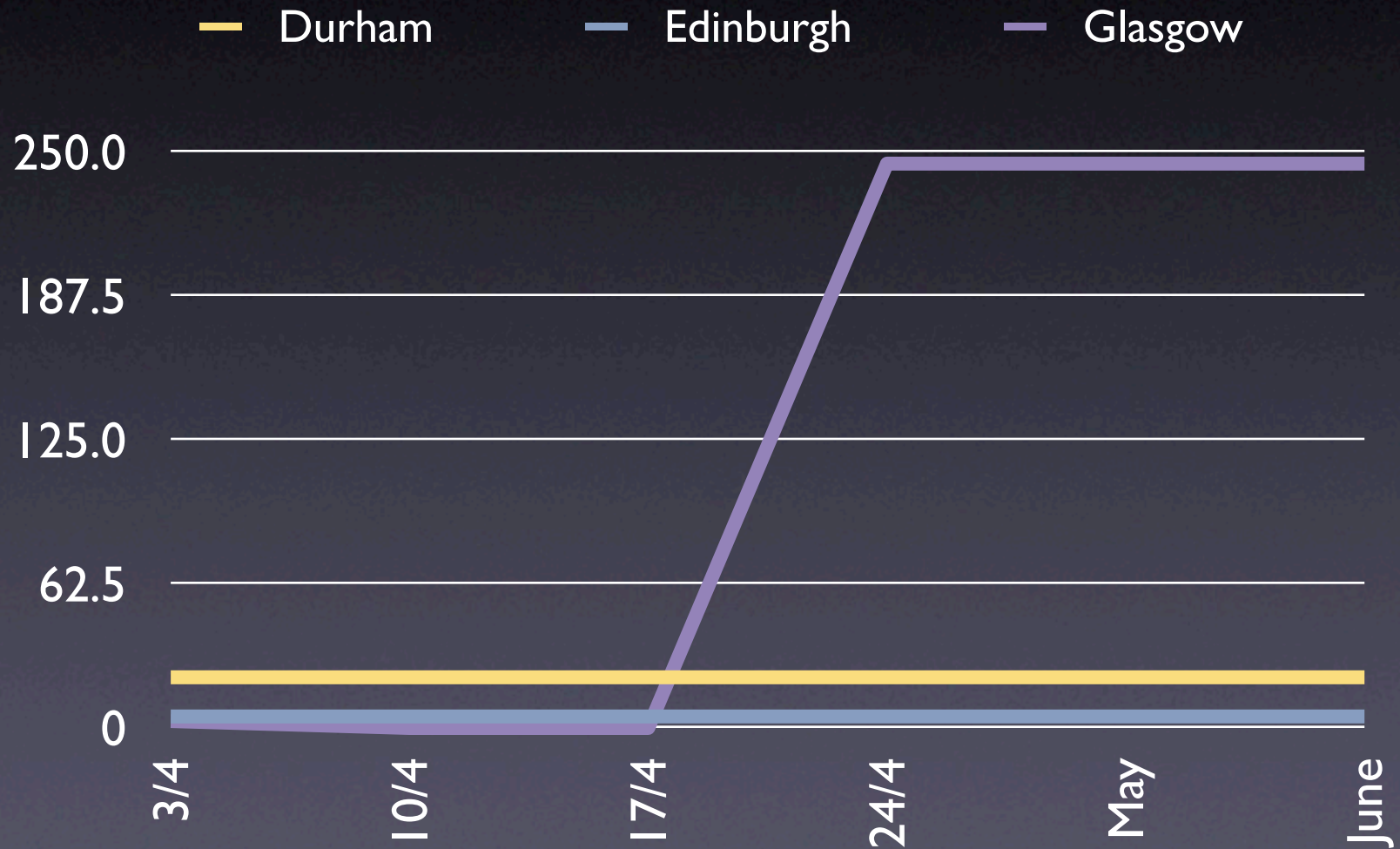
Q2'05

Fraser Speirs
Technical Coordinator

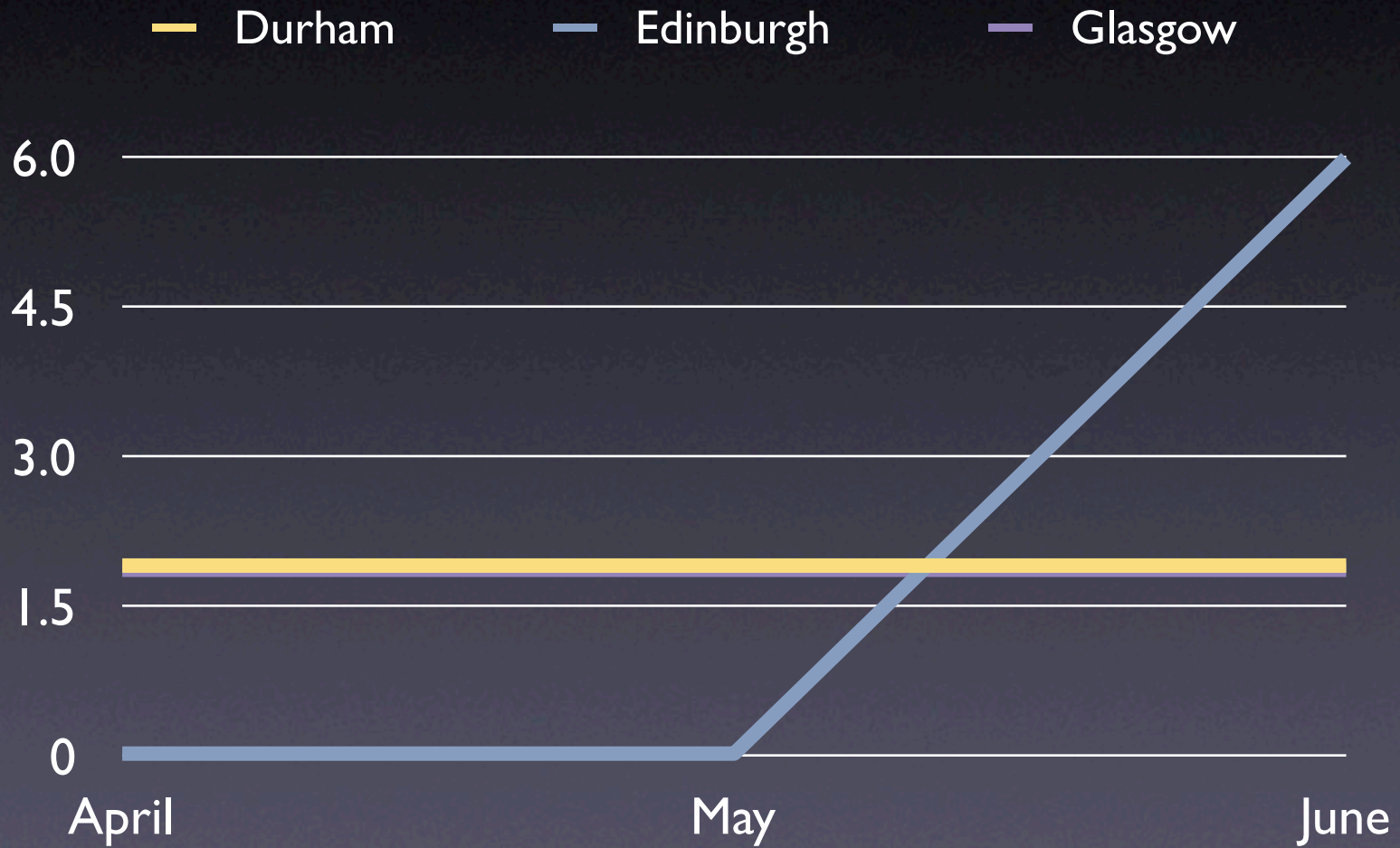
Key Events

- Glasgow cluster fully online
- Edinburgh increased available disk
- Reliability significantly improved
- New middleware experts in post
- Gaining production experience with dCache
- Gaining research experience with DPM

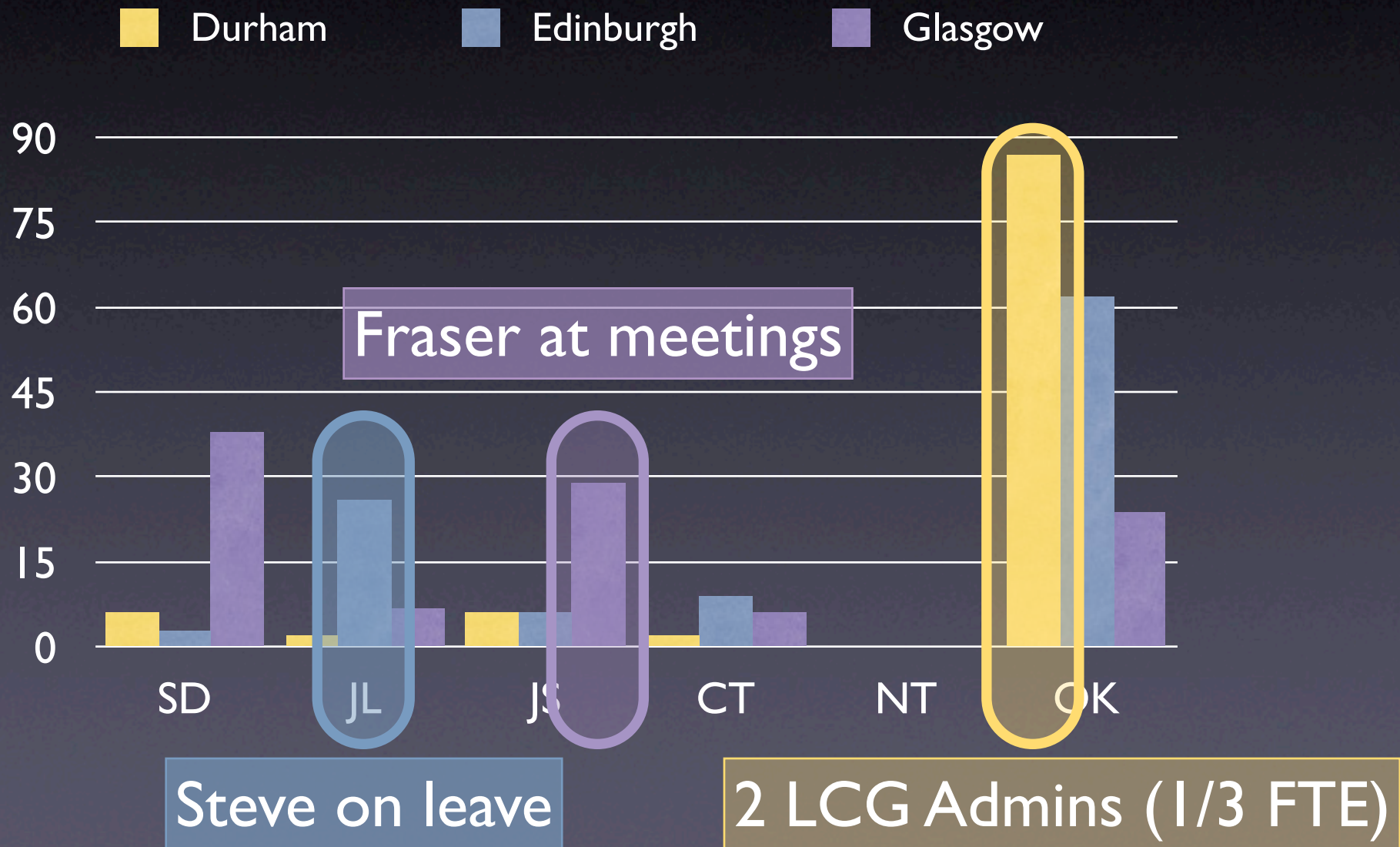
CPU



Disk (Tb)



Approx. SFT Reliability



Admin Teamwork

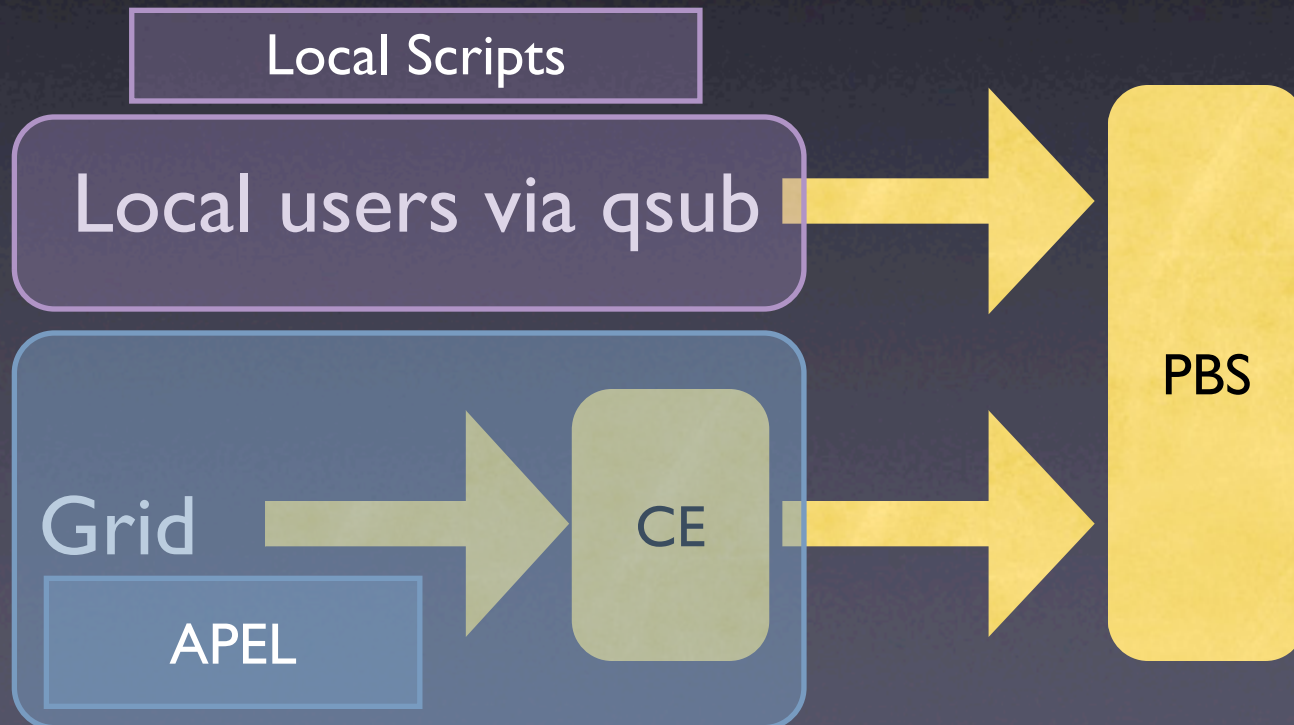
- What's the conclusion?
- It's not the size of your team but the redundancy and availability
- How soon can you get a pair of eyes on a problem?
- How many people do you need to be contactable to resolve a problem?

Ongoing Projects

- Major architecture documentation project
 - Reduce reliance on individuals (see SFTs)
 - www.scotgrid.ac.uk/wiki
- Participation in SC3 at Edinburgh
- SRM deployment at Glasgow, Durham
- Focus on reliability and usage
- Local accounting, Ganglia

Local Accounting

- At Glasgow, we have local job submission as well as grid jobs
- Need to account for 100% of cluster usage



Successes

- Glasgow's increased CPU count
- Deployment of dCache at Edinburgh
- Great improvement in reliability at Durham
- Integration of Graeme Stewart, Greig Cowan and Jamie Ferguson into the team
- New funding...

Funding

- SRIF3 funding at Glasgow
 - Expect ~500 dual CPU machines
 - Timescale: 1 year
- SRIF3 funding at Edinburgh
 - Expect ~1000 CPUs