

RAL Monitoring Developments

Brian Davies

Content

- Purpose
- Current Monitoring
- Node Resources/ Requirements
- Planned Upgrades

Purpose

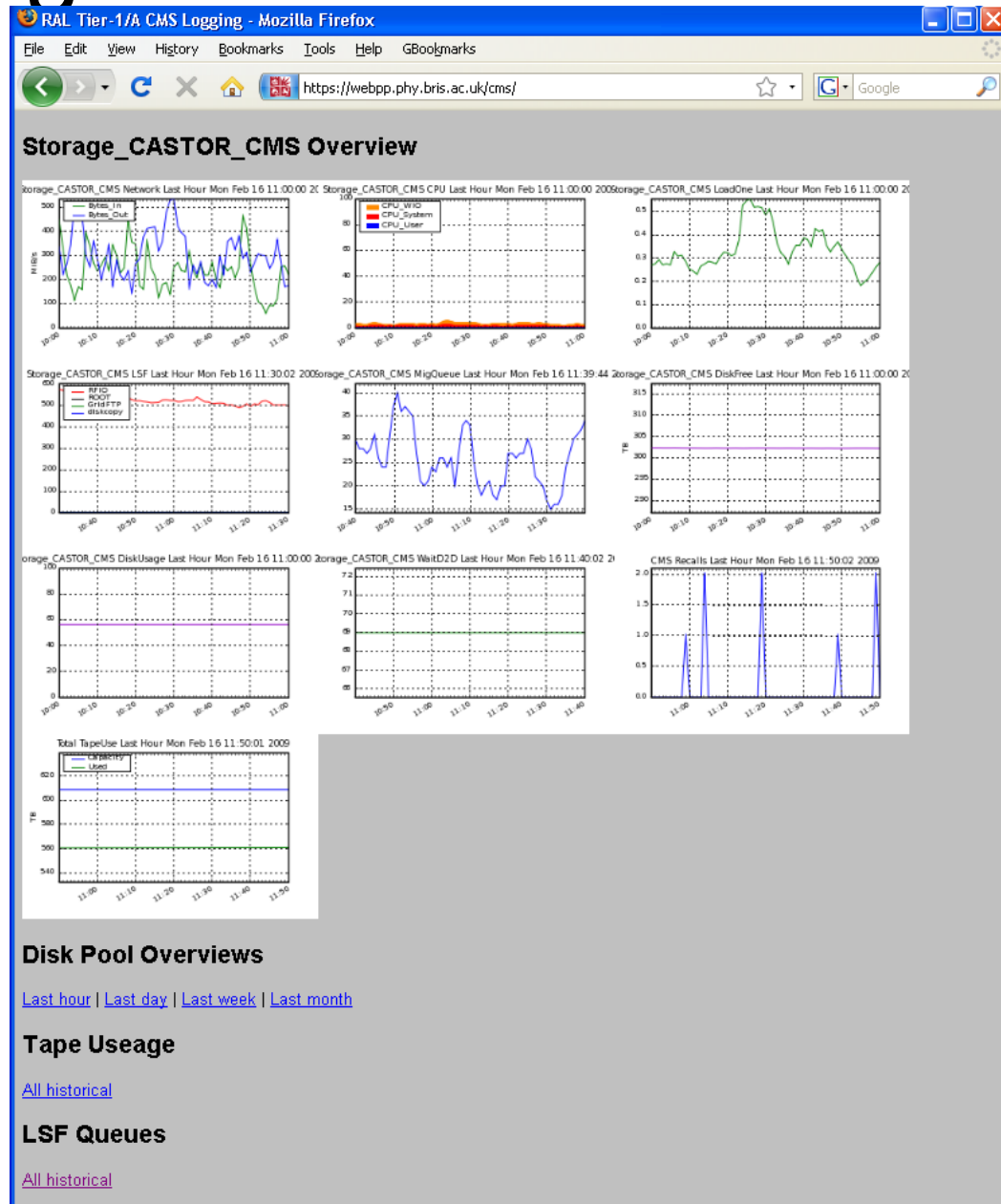
- “One Stop” Monitoring page
- Incorporate scattered Monitoring Information
 - Scattered within RAL
 - Scattered within all 4 CASTOR sites
- Remove repetition
- Both for CASTOR experts and lay people
- Aesthetically pleasing (if possible)
- Current/Future monitoring tools

Current Monitoring

- Based on CMS monitoring (J.Jackson)
<https://webpp.phy.bris.ac.uk/cms/>
- Code now generalised for many V0s

Current Monitoring

<https://webpp.phy.bris.ac.uk>



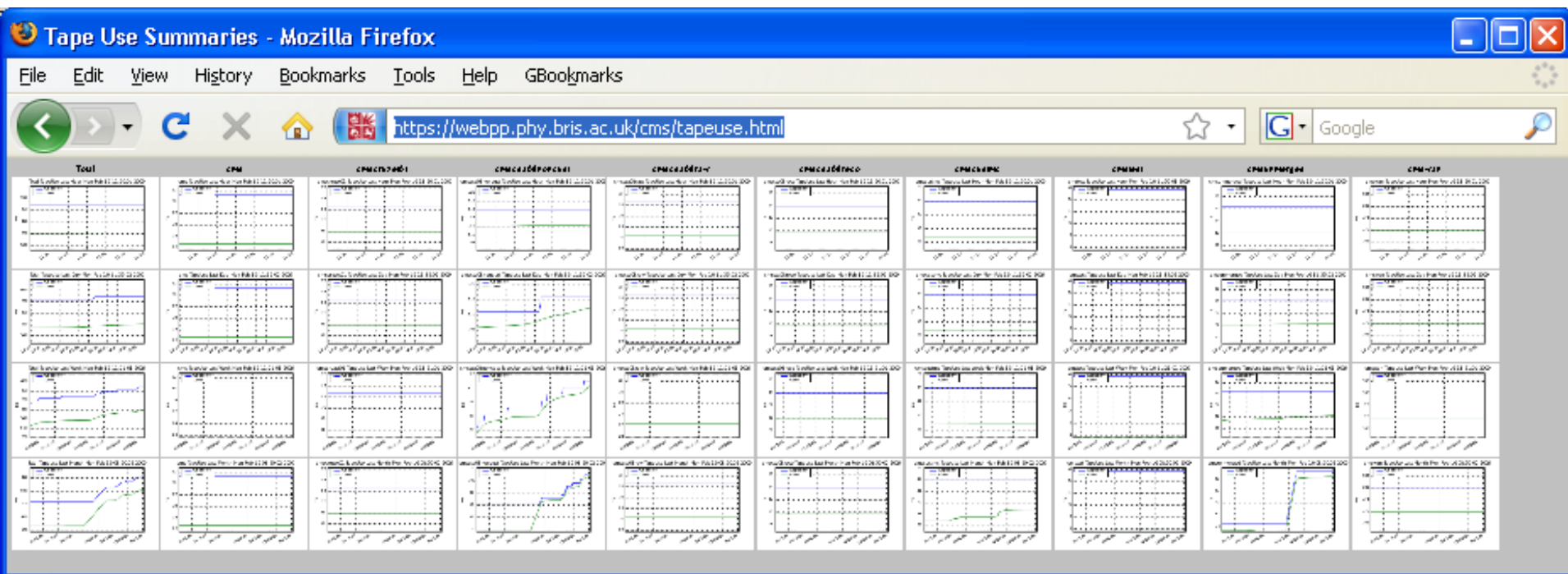
Current Monitoring

- <https://webpp.phy.bris.ac.uk/cms/lsfqueues.html>



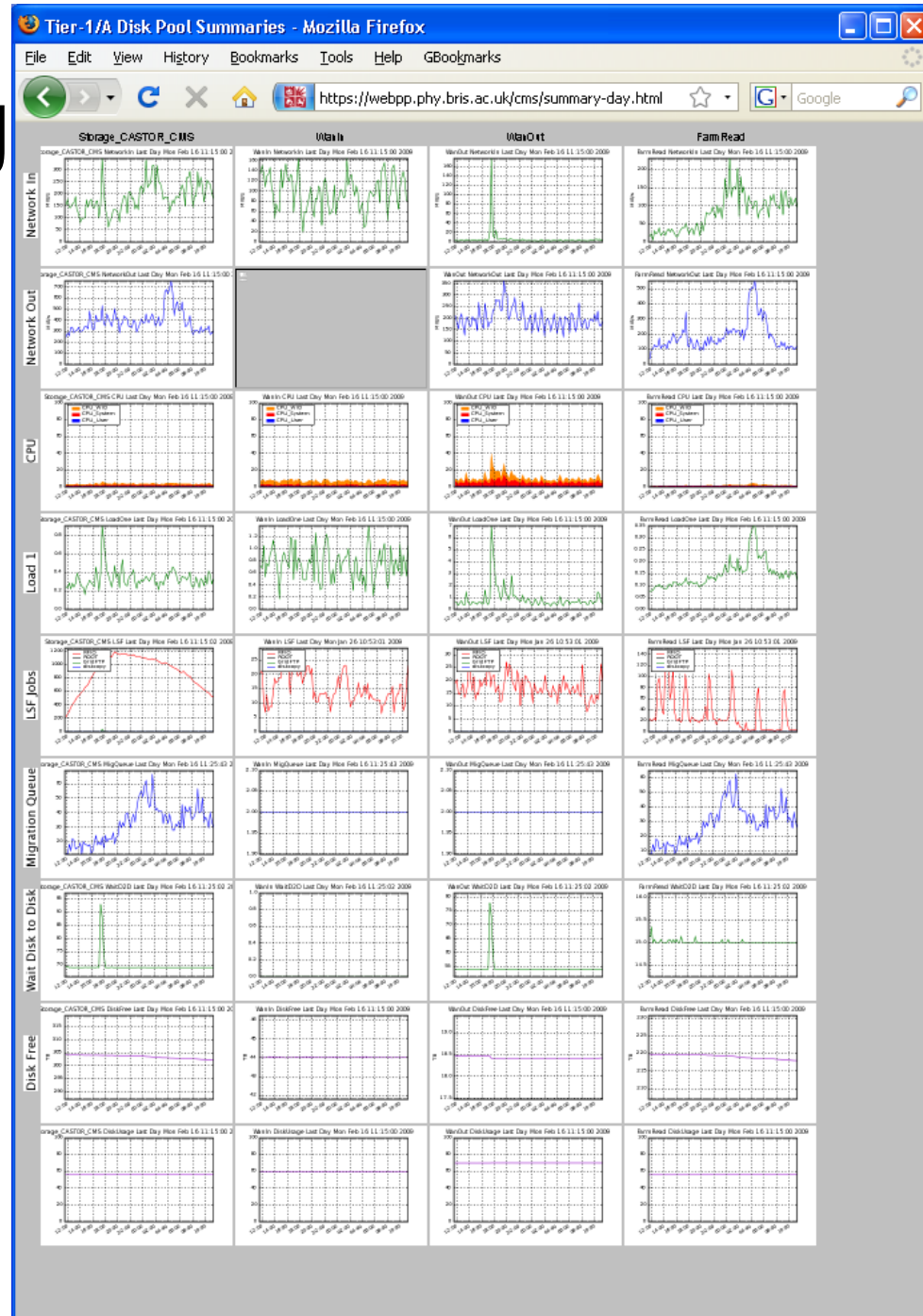
Current Monitoring

- <https://webpp.phy.bris.ac.uk/cms/tapeuse.html>



Current Monitoring

- <https://webpp.phy.bris.ac.uk/cms/summary-day.html>



Node Resources/ Requirements

- 64bit SL4 node 16GB 8Core
 - 400GB disk areas for data.
 - mirrored
- Web service
- Mathplotlib
- Python2.4
- Castor client tools.

Planned Upgrades

- Moving CMS monitoring to `castormon.gridpp.rl.ac.uk`
- Extend to other VOs/ Castor Instances
- Extend to other castor monitoring components
 - Ganglia
 - MIMIC
 - Cacti
 - Space Token / Service Class Accounting
 - Components from non-UK CASTOR sites
 - (So expect contact from me regarding info!)