Tier 2 site report: CSCS

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CSCS report (April)

	Nr of jobs	**Walltime (h)**	**CPU time (h)**
Total	**176842** (209376)	**347692** (280419)	**315713** (208208)
PROD	(xxx)	(xxx)	(xxx)
PILOT	(xxx)	(xxx)	(xxx)
User	(xxx)	(xxx)	(xxx)

March figures in brackets

■ atlas
■ atlas/Role=production
■ atlas/Role=pilot
■ atlas/Role=NULL

Hope to get back to a more detailed breakdown soon

- Recovered to normal usage patterns after implementing mitigation to the "find" problem
- Fraction of total WallTime: cream 88.9%, ARC 8.7%, lcg-CE 2.4%
- Analy/Prod rate: 34.8%
- **CPU Efficiency: 90.8** (74.2 March, 94% Efficiency for all VOs)

CSCS report (April)

Disk: http://bourricot.cern.ch/dq2/accounting/t2_reports/FZKSITES/

Report for FZKSITES (UTC 2011-05-03 12:41:46.929091)

Site	Used(G)	Free(G)	Total(G)	%
CSCS-LCG2_DATADISK	167435	264564	431999	38
CSCS-LCG2_GROUPDISK	17095	32905	50000	34
CSCS-LCG2_HOTDISK	861	2139	3000	28
CSCS-LCG2_LOCALGROUPDISK	9533	467	10000	95
CSCS-LCG2_PRODDISK	1089	8911	10000	10
CSCS-LCG2_SCRATCHDISK	14551	13448	27999	51

Totals (TB)   **210.6**   **322.4**   **533**   (39.5)
(previous month)   (198.9)   (334.1)   (533)
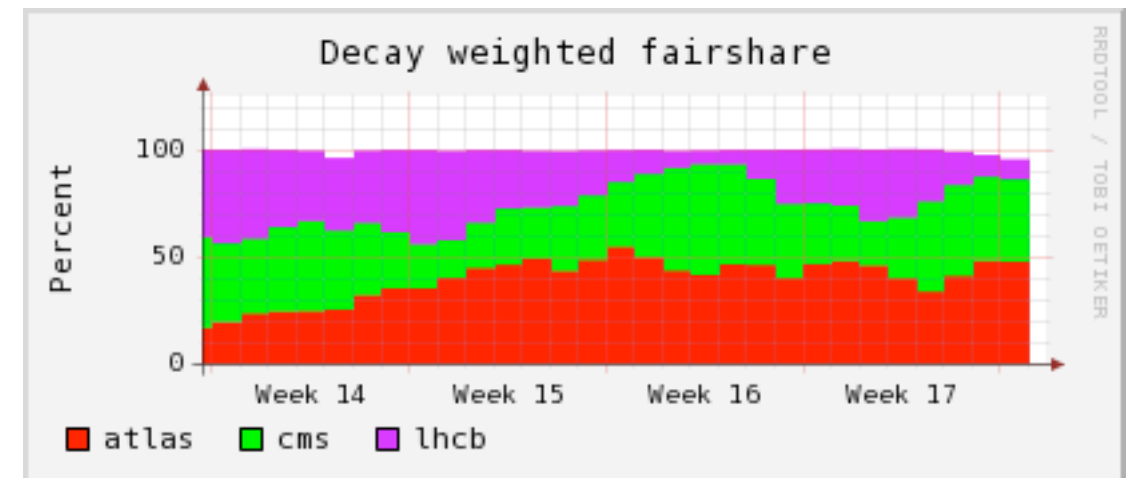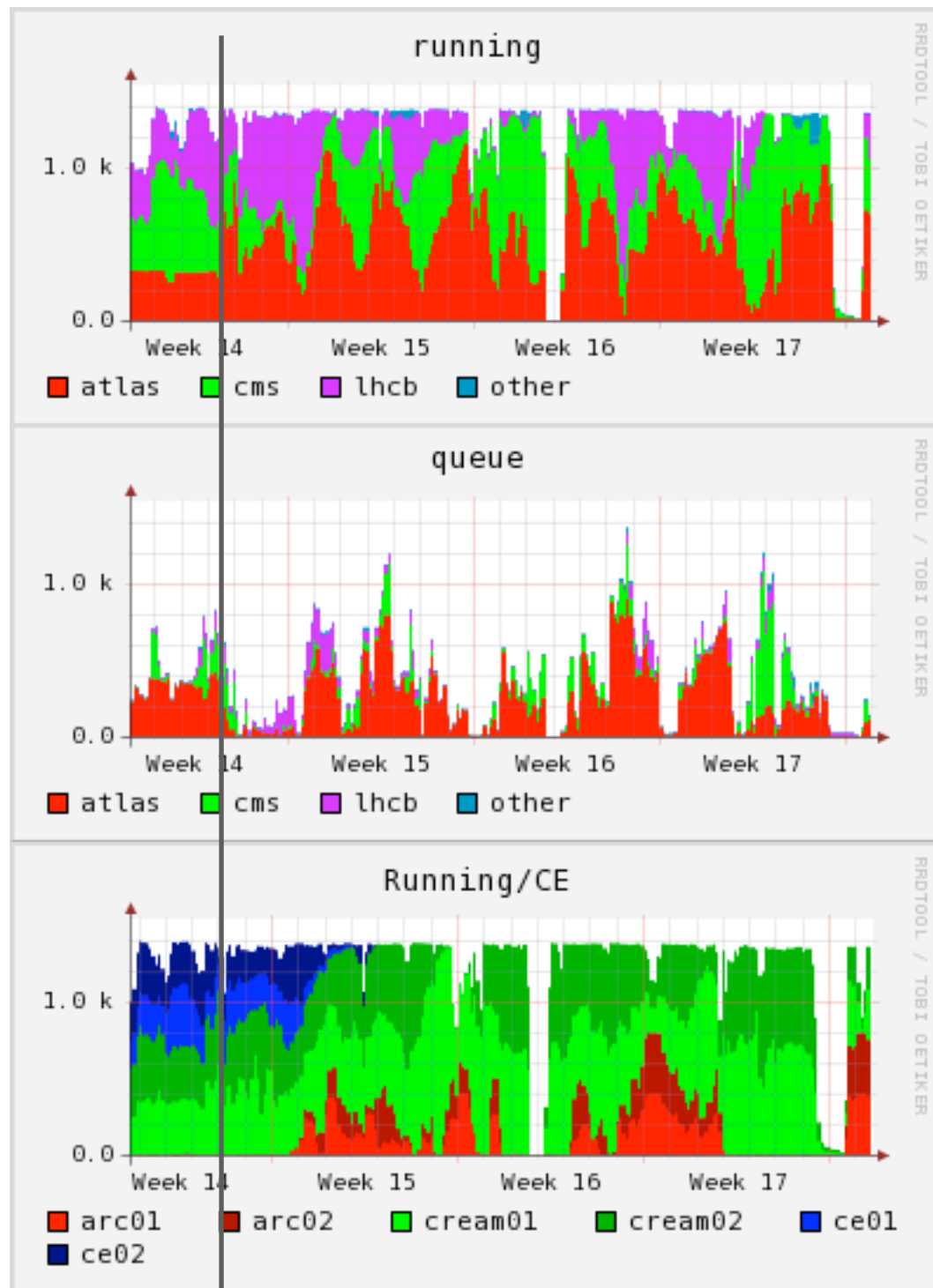
- No news of relevance
- Online: 533TB / Pledged: 468.5TB
- ~18TB to come in the next few weeks to DATADISK (evt. 450TB)

CSCS report (April)

running
atlas · cms · lhcb · other

queue
atlas · cms · lhcb · other

Running/CE
arc01 · arc02 · cream01 · cream02 · ce01 · ce02

Decay weighted fairshare
atlas · cms · lhcb

ATLAS node confinement lifted
(moved to preferential node allocation)

Target fair-shares:
atlas=40:cms=40:lhcb=20

Measured fair-shares:
atlas=39.2:cms=34.2:lhcb=26.1

CSCS report (April)

General news

- lcg-CEs turned off on 19th April

- dCache upgraded to 1.9.5-25.

- All servers migrated to latest glibc (plus additional security updates)

- Mitigation measure to alleviate load on lustre scratch from "find" (also du and ls) commands:
  - Seems to be working reasonably well, but we would like not to depend on this for smooth operation
  - Will look forward to newer version of the pilot with reduced (eventually null) "find" frequency

- Setup himem queues for memory hungry jobs (only):

```
1760    381     1               0       1       cream01.lcg.cscs.ch:8443/cream-pbs-atlashimem
1760    381     1               0       1       cream02.lcg.cscs.ch:8443/cream-pbs-atlashimem

default memory allocated on these queues is 4GB (2GB on all other queues). +20% tolerance, beyond which job is killed
```

  Each job on these will effectively eat up 2 job slots, so these should only get (reconstruction?) jobs that need more memory (<u>not</u> all analysis jobs). Is this useful?

- glExec / Argus
  - Tested in preproduction. Capability to be moved to production soon but not announced in the BDII.
  - We need VO tests starting from next week (if possible), what is the status with ATLAS?
  - Capability to be announced in BDII on <u>CreamCEs</u> next month (maintenance)

- Inclusion in squad e-mail list still pending