Tier 2 site report: CSCS

Gianfranco Sciacca (Bern)
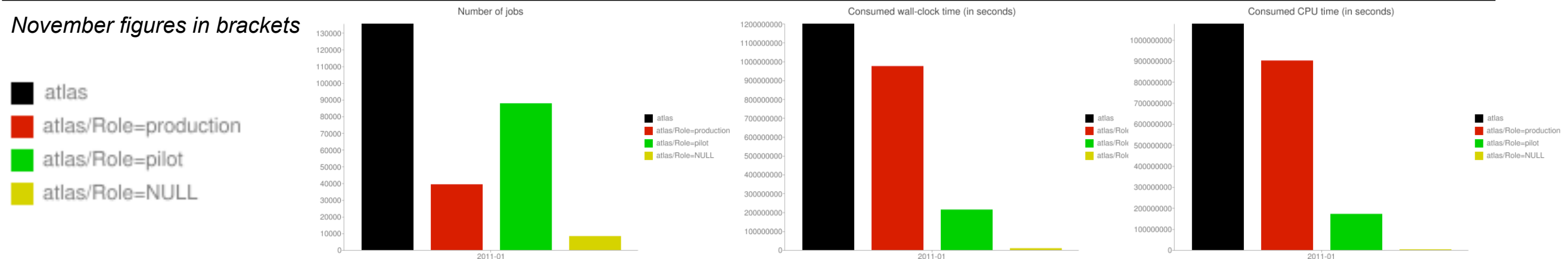
CSCS report (January)

CPU: (inc. WLCG and NorduGrid)
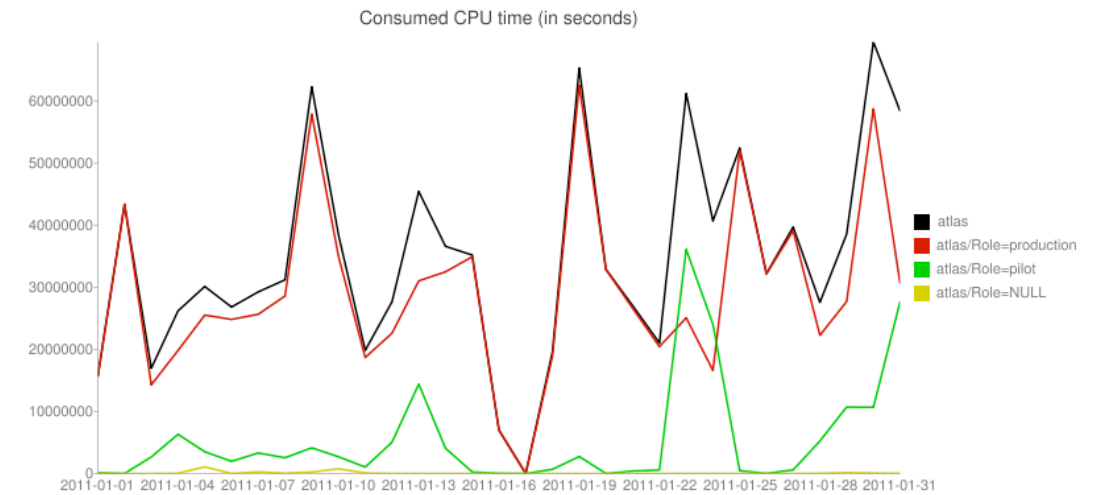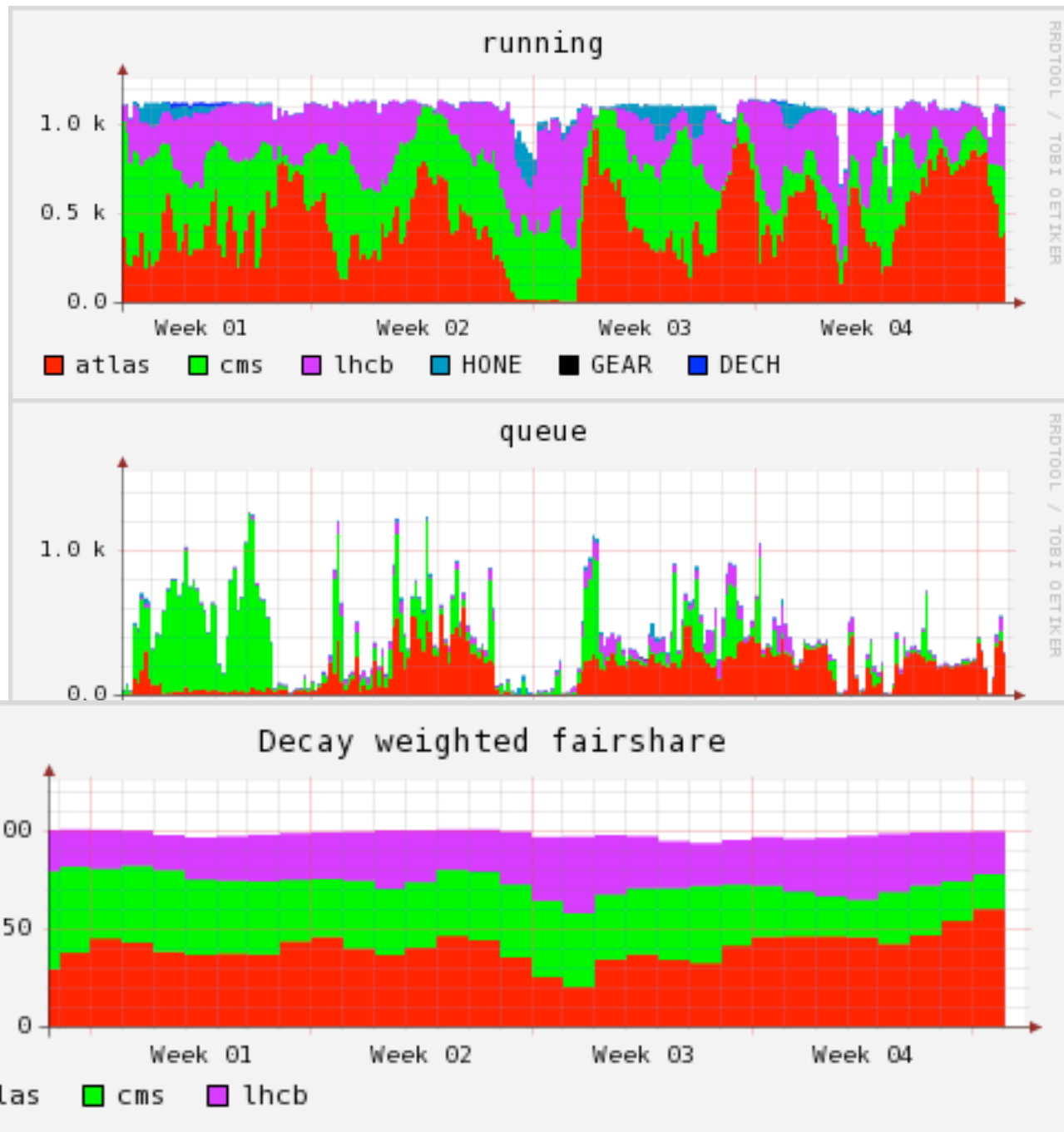
	Nr of jobs	Walltime (h)	CPU time (h)
Total	**135530** (203272)	**333435** (273840)	**299318** (239034)
PROD	**39360** (40620)	**270982** (212158)	**250608** (205180)
PILOT	**87827** (154723)	**59705** (47586)	**47821** (27584)
User	**8343** (7929)	**2748** (14096)	**889** (6721)

November figures in brackets

- atlas
- atlas/Role=production
- atlas/Role=pilot
- atlas/Role=NULL

Number of jobs

Consumed wall-clock time (in seconds)

Consumed CPU time (in seconds)

- **CPU Efficiency: 89.8** (83.3 December)
- Less jobs, more CPU time (compared to previous month)
- Fraction of total jobs: cream 4.4%, ARC 5.3%, lcg-CE 90%
- Batch shares prd:pilot:WMS are 45:45:10 (since Nov 2010)

CSCS report (January)

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

CSCS report (January)

Disk:

Report for FZKSITES (UTC 2011-02-01 11:17:12.623927)

Site	Used(G)	Free(G)	Total(G)	%
CSCS-LCG2_DATADISK	147941	87058	234999	62
CSCS-LCG2_GROUPDISK	17095	22905	40000	42
CSCS-LCG2_HOTDISK	816	184	1000	81
CSCS-LCG2_LOCALGROUPDISK	9533	467	10000	95
CSCS-LCG2_MCDISK	39	60	99	39
CSCS-LCG2_PRODDISK	895	9105	10000	8
CSCS-LCG2_SCRATCHDISK	9916	8083	17999	55

Totals (TB)   **186.2** **127.8** **314**   59.3
(previous month)   (188.1)   (125.9)

Funding agencies rather happier
with something in the region of 70-80%

- Stable disk usage

- Some orphaned files left over in MCDISK (can safely delete?)

- Increase in storage capacity forthcoming (see next slide)

CSCS report (January)

General news

- Smooth operation during January

- ATLAS software area extended to 500GB (from 300GB)

- <u>New hardware to be put online over the next few weeks</u>:

  2000 HEP-SPEC06 (~20% increase in capacity)
  Total capacity will be 13488 HEP-SPEC06 with fair shares atlas=40:cms==40:lhcb=20
  (AMD Opteron 6172 @ 2.1GHz with 3GB of memory per job slot)

  226 TB with hard shares atlas=50:cms=50:lhcb=0 (next week) => 113 TB for ATLAS
  (2 * IBM DS3500 controller, each with 8 * 8+2 raid 6, with xfs)

- 10 TB to GROUPDISK and all remaining to DATADISK?

- More disk to come later on (52 TB for ATLAS)