



ATLAS Quarterly Report and Plans

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Outline

- Tier-0 and data-taking activities
- Data reprocessing
- Functional tests
- Simulation Production
- Plans



Tier-0 and data-taking activities

- We are took continuously cosmic ray data for several months and until 3rd November
 - With only short breaks for detector work (and LHC data!)
 - And an additional week with the Inner detector only at the end of November
- The Tier-0 is coped well with nominal data rates and processing tasks
 - A few Castor glitches were usually sorted out with the Castor team within a very reasonable time
- In November hardware detector commissioning work restarted
 - Detector work will continue throughout the Winter and Spring
- Global cosmic data-taking runs will restart during April-May
 - Initially with partial read-out, later on with the complete detector



Data reprocessing

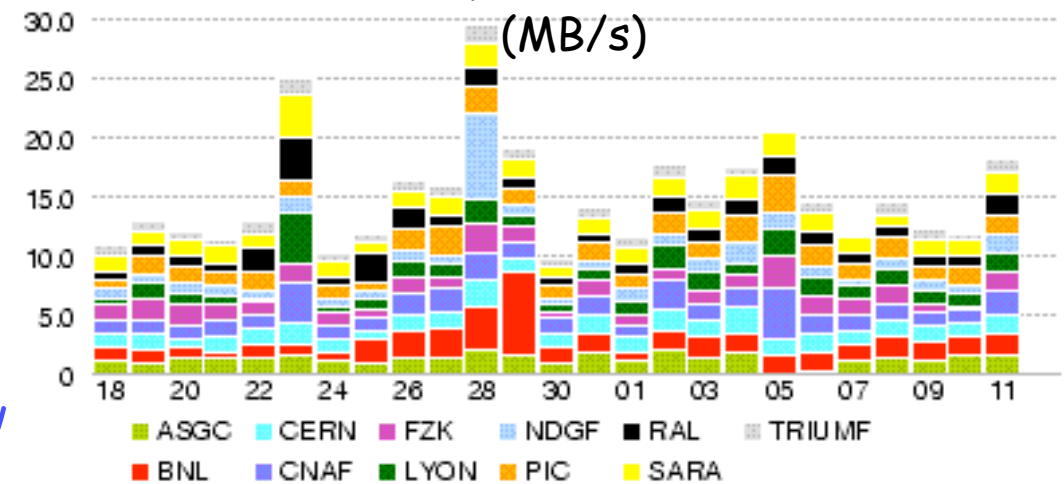
- We have launched a reprocessing campaign for single-beam and cosmic data taken in August-November 2008
- Ambitious plan: run in partially attended mode during the Xmas/NewYear period
 - Partially forced by circumstances: the software and calibrations were finally ready only mid-December
 - Most sites ran on "best effort" during the holiday period
- Anyway, 500 TB of raw data were processed in 8 Tier-1 sites and CERN
 - FZK failed the validation in December: test jobs produced different results from all other sites (under investigation, the local Linux build is suspected)
 - ASGC had storage troubles in December when we launched the jobs
 - "Slow motion" in PIC and NIKHEF is under investigation
- Reconstructed data were merged and distributed to other Tier-1/2s
 - A few remaining jobs to be run here and there



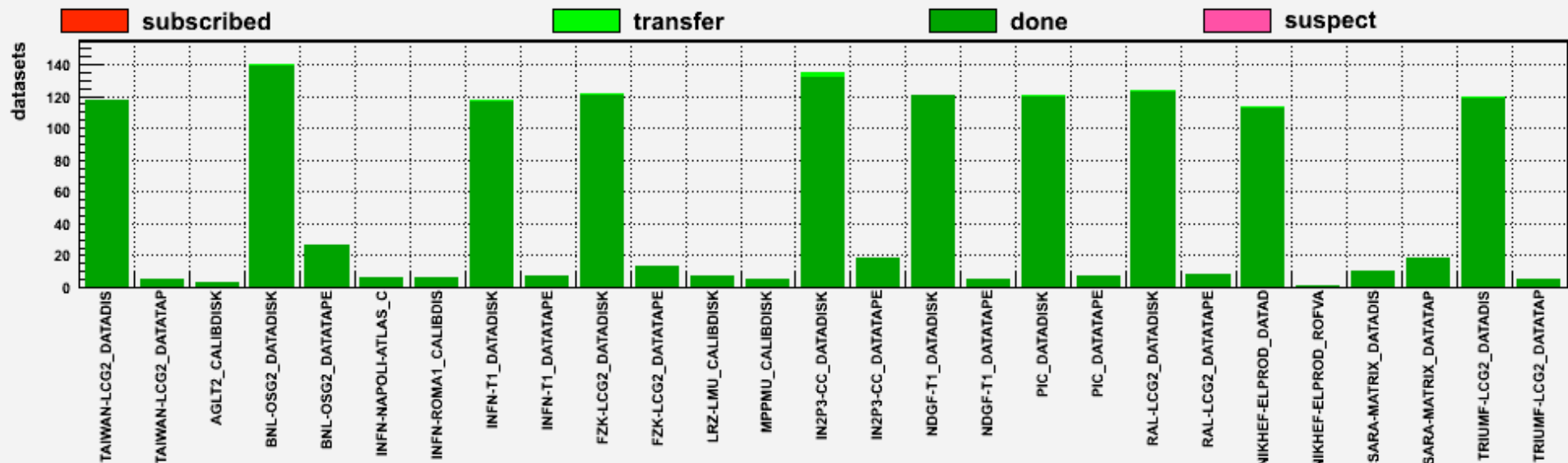
Data export functional tests

- We continue running data export functional tests at low level to keep checking the health of the whole system
- Site contacts are promptly notified of problems and we follow up all troubles together

FT data transfers 18/12/08-11/01/09 (MB/s)



dataset status statistics for last 24 hours, TIER1S+ only, updated: 2009-01-13 10:55:04 UTC

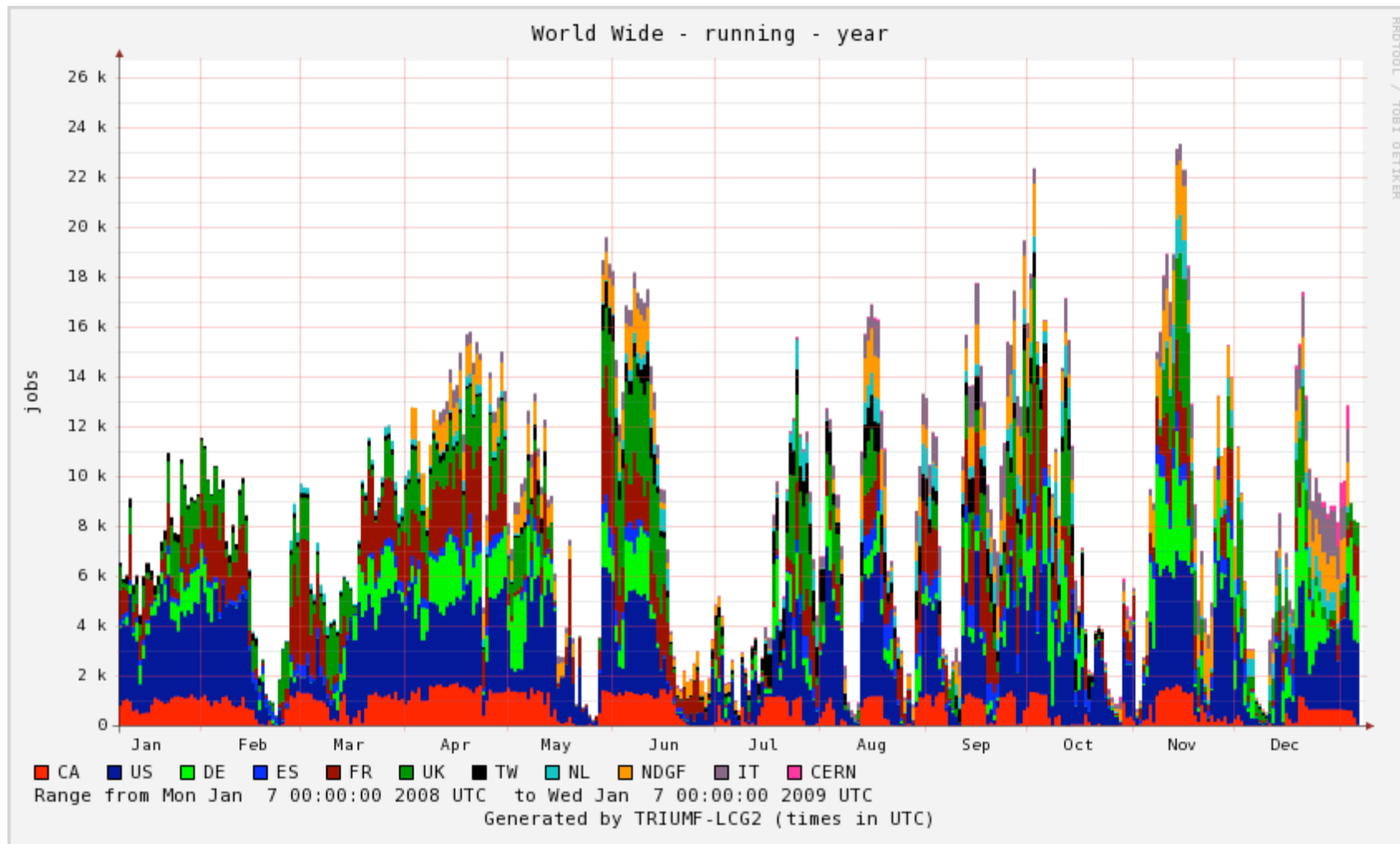


Last subscription: 13 January 10:28:02 | Last FC checked: 13 January 10:43:26 | Last transfer: 13 January 10:42:09



Simulation production

- Simulation production continues in the background all the time
 - Only limited by physics requests and the availability of disk space for the output files





Plans

- Software releases:
 - Release 15.0.0
 - February 2009. Include feedback from 2008 cosmic running.
 - Base release for 2009 operations.
 - Releases 15.X.0
 - Once/month. Incremental code improvements.
- Cosmic runs:
 - Complete detector:
 - Restarting April-May 2009
 - Partial read-out:
 - Restarting late Winter 2009
- Collision data:
 - Waiting for news from the forthcoming Chamonix workshop
 - Resource needs will also be re-evaluated after the accelerator schedule is published