

Experience Commissioning the ATLAS Distributed Data Management system on top of the WLCG Service

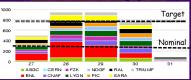
Computing in High Energy and Nuclear Physics Prague | Czech Republic | 21 - 27 March 2009

Simone Campana (CERN/IT), on behalf of ATLAS Distributed Computing

Common Computing Readiness Challenge 08

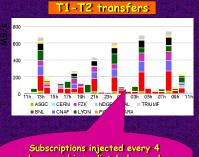
One month of full scale commissioning of the Data Management system

Testing readiness of the system before data taking Quite demanding metrics (approx 150% of computing model nominal rates) Includes all traffic flows (T0-T1, T1-T1, T1-T2) The test was run in conjunction with all LHC experiments TO->T1s throughput Target T1-T2 transfers



12 hours of backlog artificially accumulated





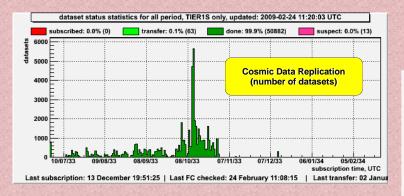


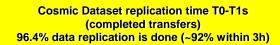




hours and immediately honored

Detector and Simulated Data Placement and Replication

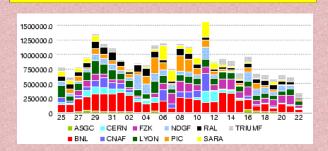




All 4 LHC experiments in the game



Number of replicated files over a one month period 850K files/day average, paek at 1.5M files/day



ATLAS Beam and Cosmics data replication to ~70 Tier2s

