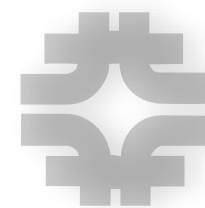




CMS Goals and Expectations



♦ LHC Schedule

- ★ initial engineering run at end of 2007
- ★ pilot physics run starting spring 2008

♦ Commissioning the CMS computing system on OSG and WLCG

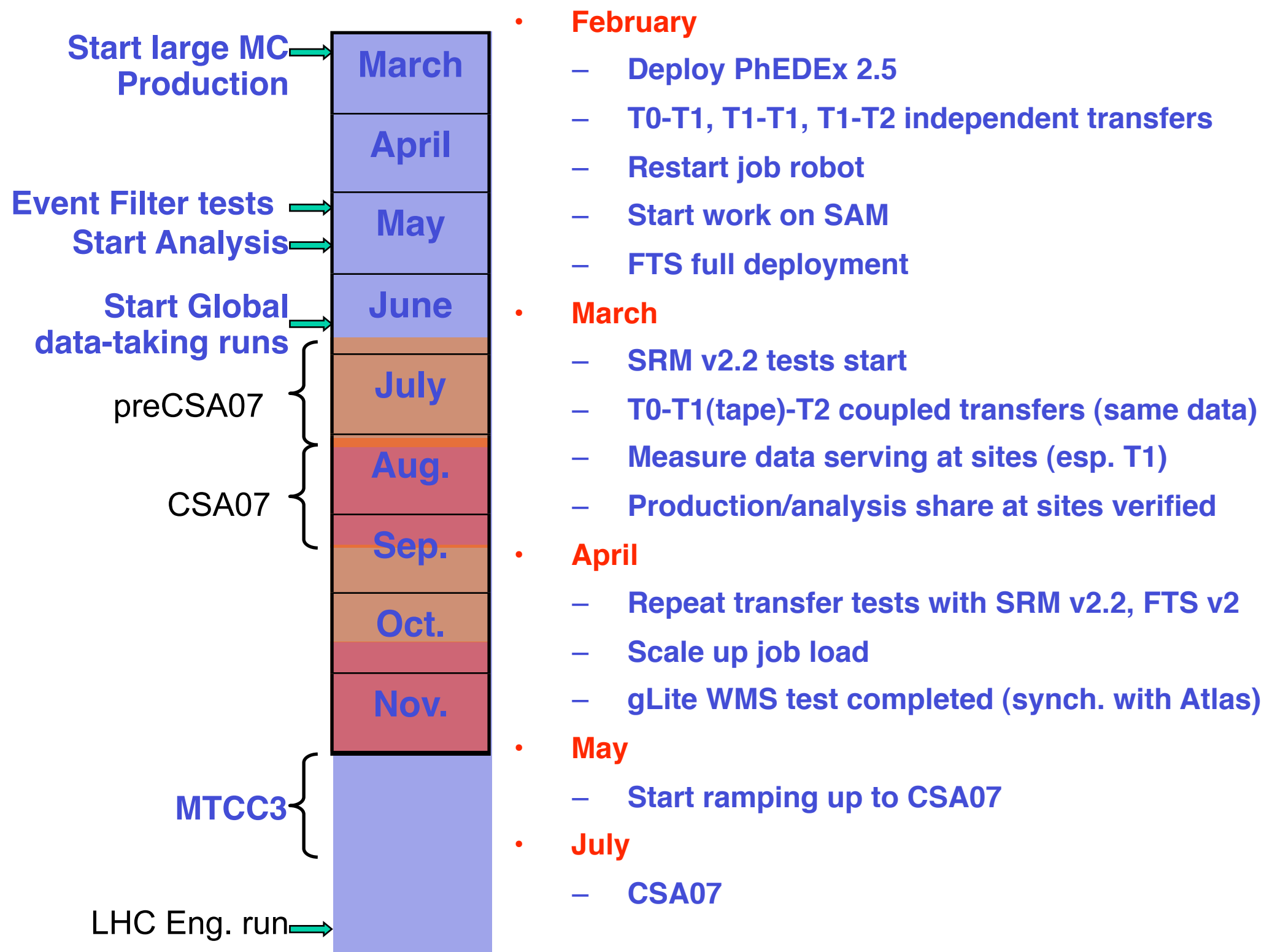
- ★ CSA06 demonstrated much of the workflows, including simulation production, data processing, data analysis running, re-processing, calibration processing, conditions database distributed access, etc
- ★ continue to establish all aspects CMS computing model, with all the roles of T1 and T2 centers, at the required scale
- ★ detailed plan for series of CMS software releases, physics validation
- ★ production of some 100M simulated CMS events (within few months)
- ★ data analysis of samples, preparing a set of “papers” later in the year
- ★ series of data taking exercises, with “challenges” to measure success

♦ Main CMS computing commissioning milestone: CSA07

♦ Start of “cosmic data taking” in fall, segueing into LHC running

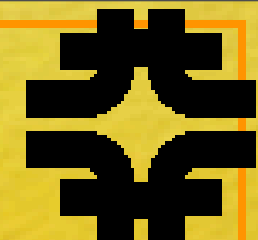


CMS Commissioning Plan until CSA07





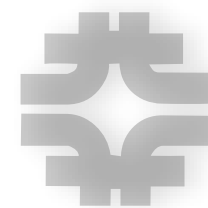
US Grid Deliverables for 2007



- Goals:
 - Mid-2007: full functionality for initial data taking (commissioning).
 - End-2007: 2 x CSA06 performance.
- Data Movement and Storage needs:
 - Space reservation (SRM V2.2) and compatibility with WLCG Storage Classes definitions (not needed by CMS in the US);
 - Deployed, interoperable, access control (gPlazma);
 - Improved maintainability and ease of configuration and support (VDT).
 - Accounting (Gratia)
- Workload Management and Job Execution needs:
 - Performance and robustness improvements at the execution sites.
 - Experiment level prioritization by job class and user role.
 - Improved success rate (through understanding and fixing of errors; improved retry and fault tolerance in the workload management system and workflows).
- Operational needs:
 - Security infrastructure, processes and auditing following CDF & OSG plans.
 - Improved coverage, usability and interpretation of monitoring and error information(for details see “additional slide”)



Main "Milestones" in WBS



- ◆ Support for CMS Job Throughput 50Kjobs/day
★ 4/1/07
- ◆ Support for CMS Job Throughput 75Kjobs/day
★ 5/1/07
- ◆ Support for CMS Job Throughput 100K jobs/day
★ 6/1/07
- ◆ CMS site validations using the SAM infrastructure
★ 6/1/07
- ◆ Support for CMS Opportunistic use of OSG Sites for Monte Carlo
★ 6/15/07