

CMS Status

Resource Utilization

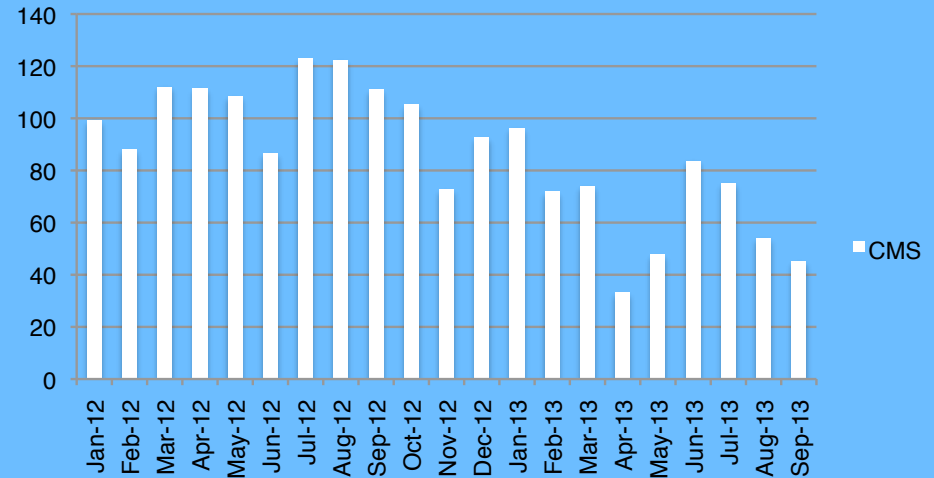
► CMS resource utilization is noticeably lower since the major 2012 re-reco and analysis have been completing

► Some activities are ramping up, like 2011 reprocessing and we also use the HLT

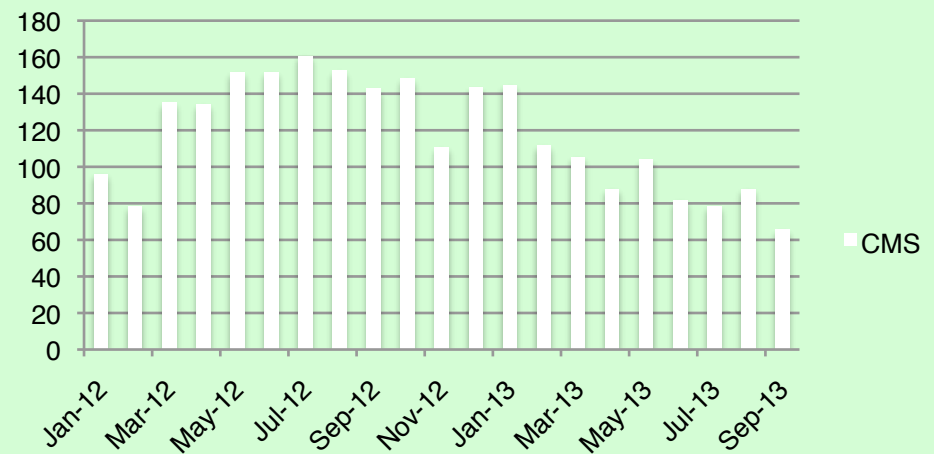
► We are asking to perform any 2015 prep work, like the kinematic steps now

► Software and requests are under development

CMS Tier-1 Pledge Usage

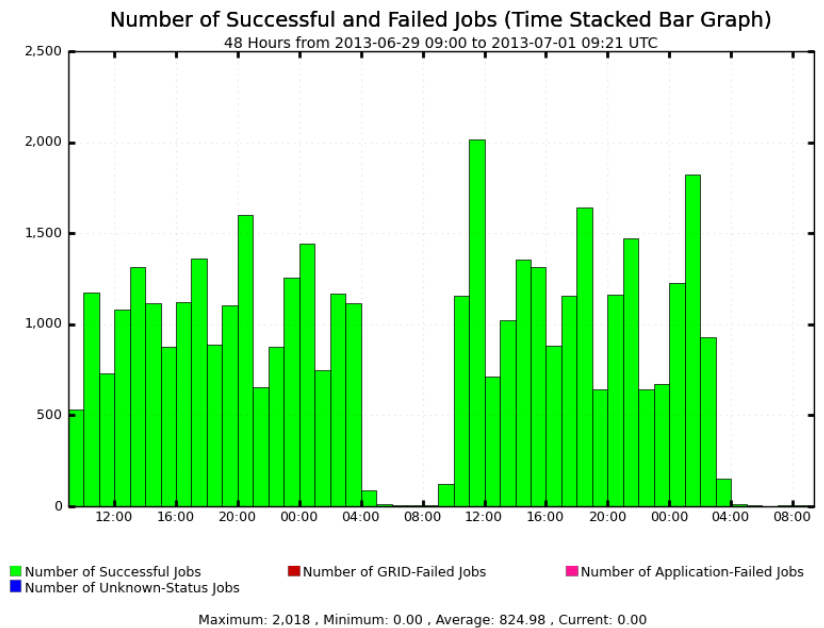
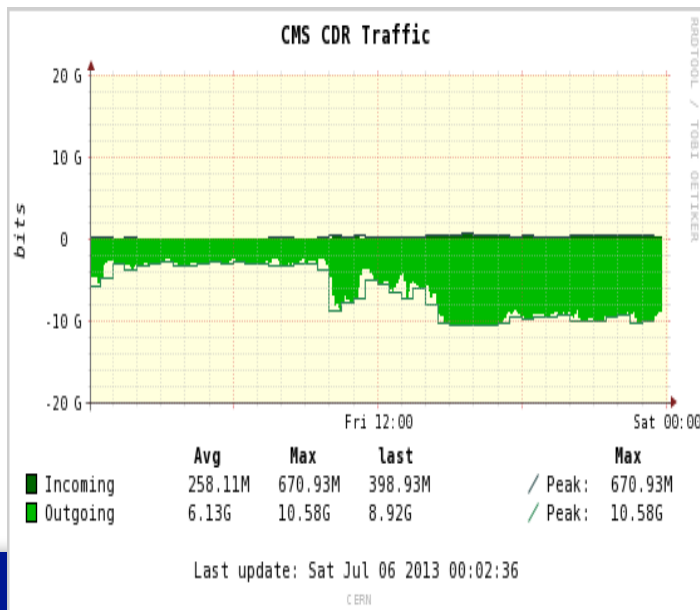
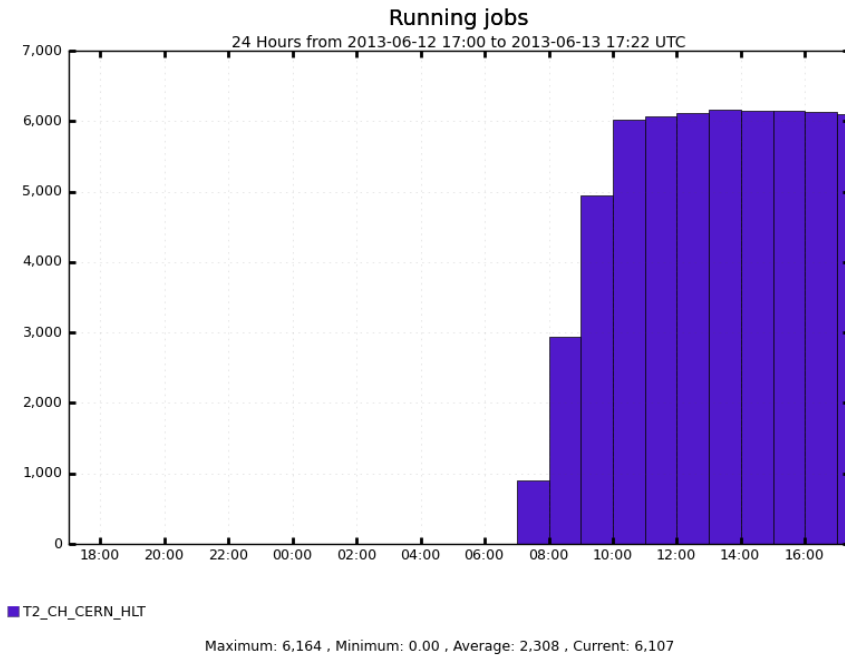


CMS Tier-2 Pledge Usage



The HLT Commissioning

- ▶ We have shown the use of 6k cores
- ▶ Including production workflows for 2011 data reprocessing
- ▶ CMS sees every node they buy for HLT they get them twice with the offline capacity
- ▶ With a big HLT upgrade planned we will need to upgrade the network 80-100Gb/s



LSI Activities

- ▶ Goal is to commission new techniques in LSI
- ▶ Disk/Tape Separation is ongoing
 - ▶ Reaching the tipping point with RAL and CNAF complete and several others close. We will begin enabling analysis access to TIs
- ▶ Xrootd deployment is proceeding
 - ▶ Nearly all sites have the fall back channel
 - ▶ We have a program of work to determine at what level of remote access the system begins to break down
- ▶ Multi-core is waiting on the next production release, which should be in the next 6 weeks
- ▶ Dynamic data placement models are under development