

## ATLAS Tier-2 report (Jan 2020)

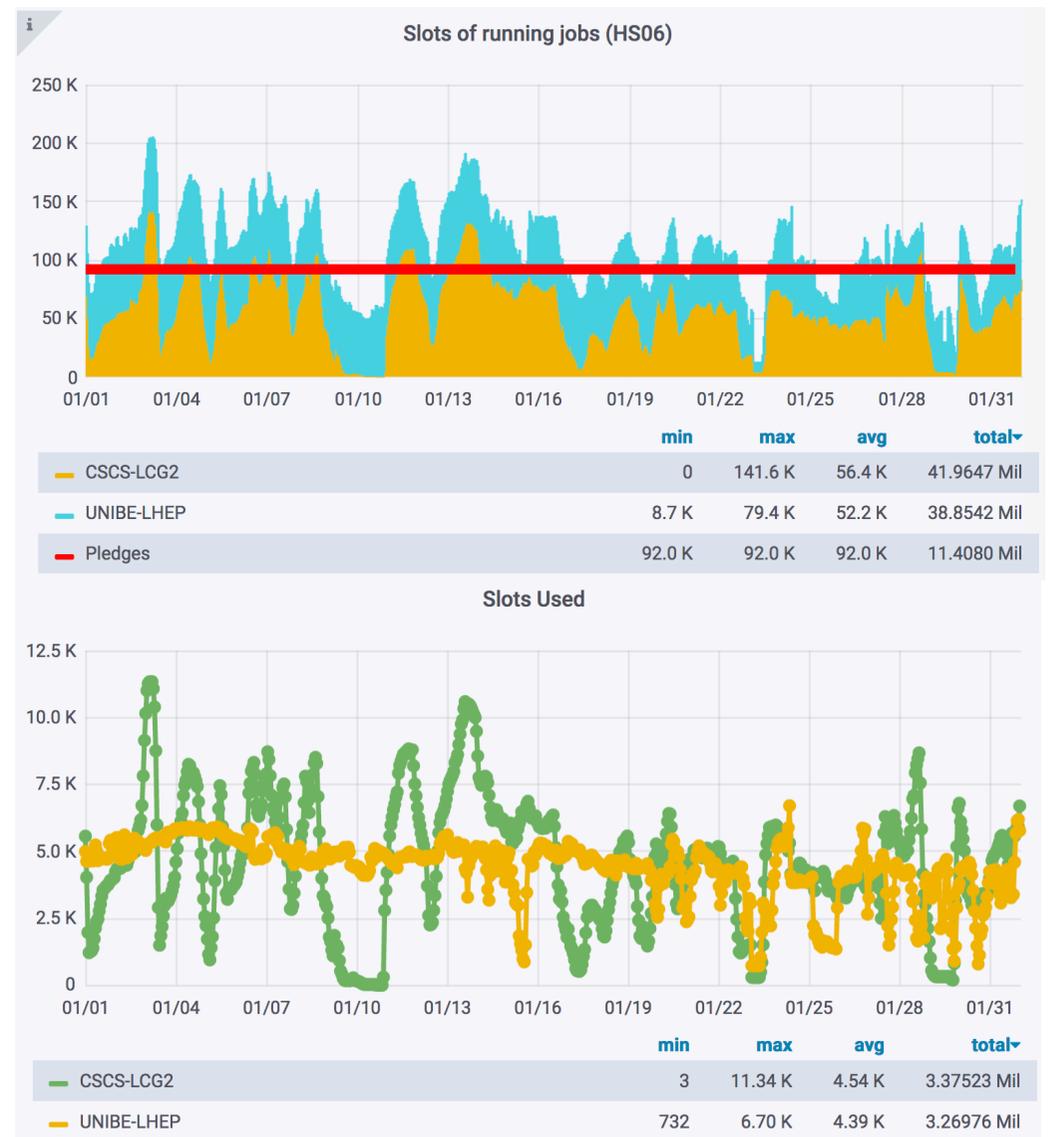
- CSCS
  - CPU/WC efficiency degraded in 1st half of the month, recovered since 14th Jan
  - Lower used slot average since reservations in place (3.8k vs. 4.9k), not really much smoother. VO share skew still clearly visible during Jan.
  - Debugging of timeouts done with Miguel was not conclusive. Problem is still there, now affecting 1-core EVGEN jobs. Debugged with ATLAS experts, it seems to be a site-related issue (not all jobs of this type fail at CSCS, some complete within the requested time). Only hint: might be heavy use of /tmp. Needs following-up on.
- UNIBE
  - Higher than usual failure rates:
    - Job timeouts: site issue (see site report)
    - Lost heartbeats: Panda server issues (jobs finishing OK, uploading outputs with success, then set to Failed (fixed now))
    - User jobs creating up to 3M files (see site report)

## ATLAS Tier-2 statistics (Jan 2020)

	CSCS-LCG2	UNIBE-LHEP
HS06 all jobs (pledge 50k+42k)	<b>56.4k (112%)</b>	<b>52.2k (124%)</b>
WC h all jobs (% of total)	<b>3'249'611 (51%)</b>	<b>3'085'667 (49%)</b>
WC good/all jobs	<b>0.88</b>	<b>0.65</b>
CPU/WC good jobs	<b>0.821</b>	<b>0.901</b>
ANALY share	<b>0.02</b>	<b>0.02</b>

## ATLAS HammerCloud statistics (Jan 2020)

	CSCS-LCG2	UNIBE-LHEP
ANALY-CSCS-HPC	<b>0.90</b>	
CSCS-LCG2-MCORE	<b>0.91</b>	
ANALY-UNIBE-LHEP		<b>0.97</b>
ANALY-UNIBE-LHEP-UBELIX		<b>0.89</b>
UNIBE-LHEP-MCORE		<b>0.97</b>
UNIBE-LHEP-UBELIX-MCORE		<b>0.86</b>
UNIBE-LHEP-UBELIX-MCORE-LOPRI		<b>0.88</b>



## General ATLAS news

- Move to “grand unified” queues (\*) ongoing. Bern should be fine, CSCS will need to re-enable “-- nice” for slurm.
  - (\*) *running prod multi and single core and analysis on the same queue to allow ATLAS to set internal shares between workloads and job priorities.*
- ATLAS GPU challenge in the frame of the WMS working group
- Swiss storage federation (DPM+ARC caches)
  - very positive feedback from ADC management and support from DDM ops
  - possible development of a S3 plugin for DPM could mean in the future CSCS could provide storage without middleware.