

ATLAS Tier-2 report (April 2021)

- CH-CHIPP-CSCS
 - 6670 avg running slots (6910 expected)
 - Pending jobs: 2.9k average, 482 min, 7k max no gaps
 - Issues with possible ARC mis-configuration caused lack of submission and job failures on 1st and 14th April
 - CPU/WC efficiency good for good jobs, failed WC low enough level
 - failures clustered around: 14th, 22nd, 26th April
 - CSCS requested to increase job pressure: done on 16th April
 - **REMEMBER: issues with site services cause lack of pending jobs => check ARC and scratch first. ATLAS central failures are announced (if occurring)**
 - Too many pending jobs are jobs that are delayed and could have been sent to other sites for more timely processing instead (cmp. plot on the right)
 - Almost 50% shortcoming in storage installed vs. pledge

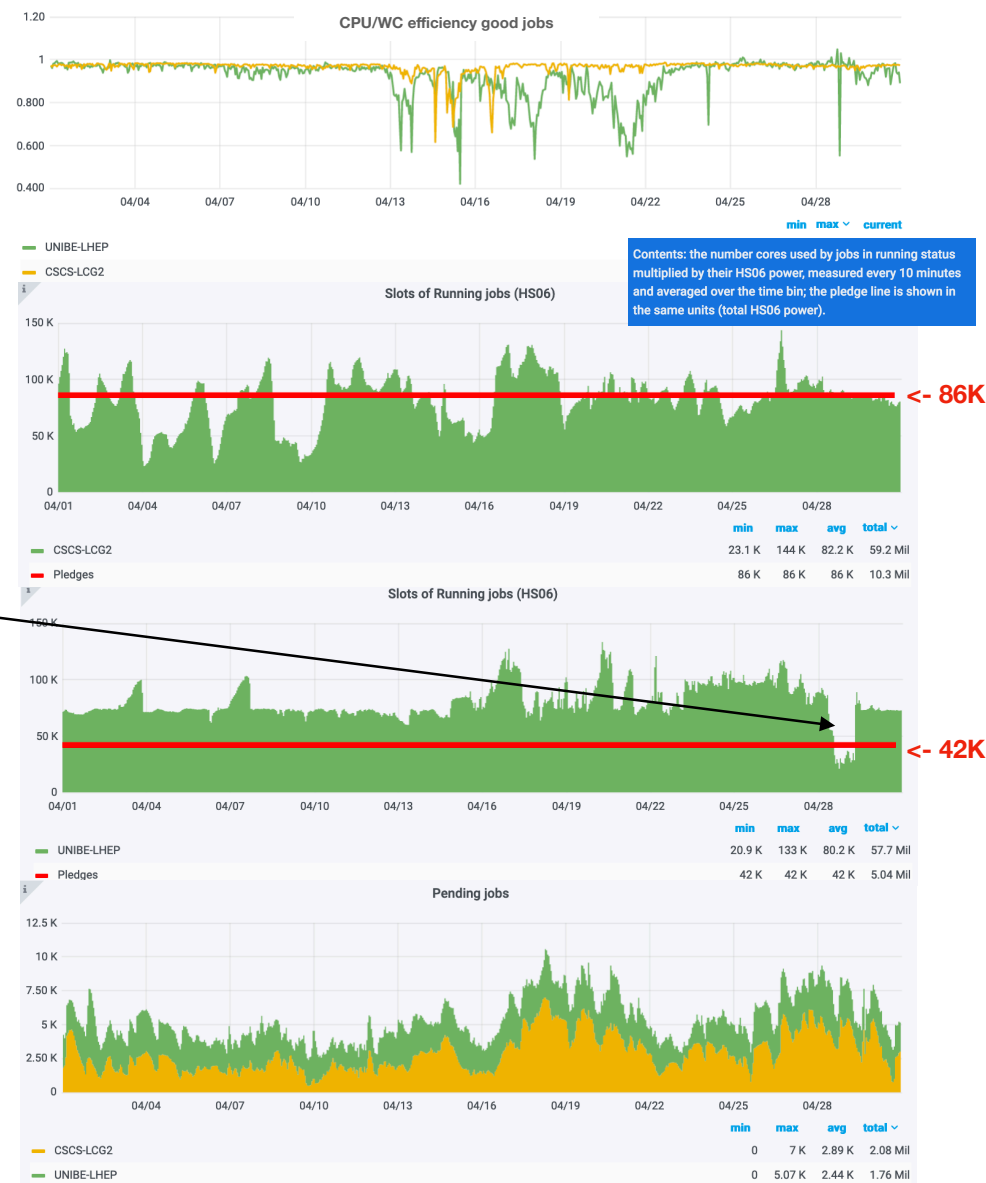
- CH-ATLAS
 - Steady operation with >1.9x pledge deliver. 6.1k avg running slots (good delivery)
 - Drained for cooling maintenance on 28th April at LHEP
 - CPU/WC efficiency good, in line with general ATLAS, no improvement on failed WC
 - Improved SLURM priority for HammerCloud jobs
 - Persistent issue with UNIBE-LHEP-UBELIX-MCORE-LOPRI being blacklisted: set ONLINE manually on 14 April: lost plenty of opportunistic slots in the meanwhile

ATLAS Tier-2 statistics (April 2021)

	CD-CHIPP-CSCS	CH-ATLAS
HS06 all jobs (pledge 86k+42k)	82.2 (95% of pledge)	80.2 (191% of pledge)
WC h all jobs (% of total for the 2 sites)	4'638'888 (54%)	4'027'777 (46%)
WC good/all jobs	0.92	0.85
CPU/WC efficiency good jobs	0.965	0.923
ANALY share	0.03	0.07
Storage available (vs pledge)	1904 TB (-1896)	1480 TB (+680)

ATLAS HammerCloud statistics (March 2021)

	CD-CHIPP-CSCS	CH-ATLAS
CSCS-LCG2	1.00	
UNIBE-LHEP		0.97
UNIBE-LHEP-UBELIX		0.99
UNIBE-LHEP-UBELIX-MCORE-LOPRI		0.54



General ATLAS news

- Running 661k slots on average (222% of pledge)
 - 5% failed WC (LOW, down from 28%, nominal is ~11%)
 - 87% CPU/WC efficiency of good jobs (down from 89%)
- Thanks to our Slovenian colleagues, the Euro-HPC Vega has been used since mid-April (ahead of officially coming online) for running all ATLAS workloads on up to 120k slots (full CPU capacity, > than the full ATLAS pledge), processing >3.2Tri events over the last 30 days (cmp.: 208 Bil LHEP, 15.7 Bil CSCS, 878 Mil Ubelix)