ATLAS Tier-2 report (September 2020)

- CSCS
  - After periods of too much running, now very low running
    - Not compatible with ATLAS computing model
    - Switched off ANALY queue on request from ATLAS ADC (user jobs not being run)
    - Not compatible with pledged site requirements (MoU)
  - 2k avg running slots,
  - 60% rate of "closed" jobs (cancelled after waiting in the queue past timeout)
  - Only Tier-2 left to migrate to "Grand Unified" queue (pending `--nice` introduction)

- UNIBE
  - 5860 avg running slots
  - Failed WC improved, now ok (9%)
  - CPU/WC efficiency ok, but two periods of degradation (the second is global => evgen+analysis peak, bad tasks)
  - Pilot phase of *Swiss ATLAS storage federation* in production and working well
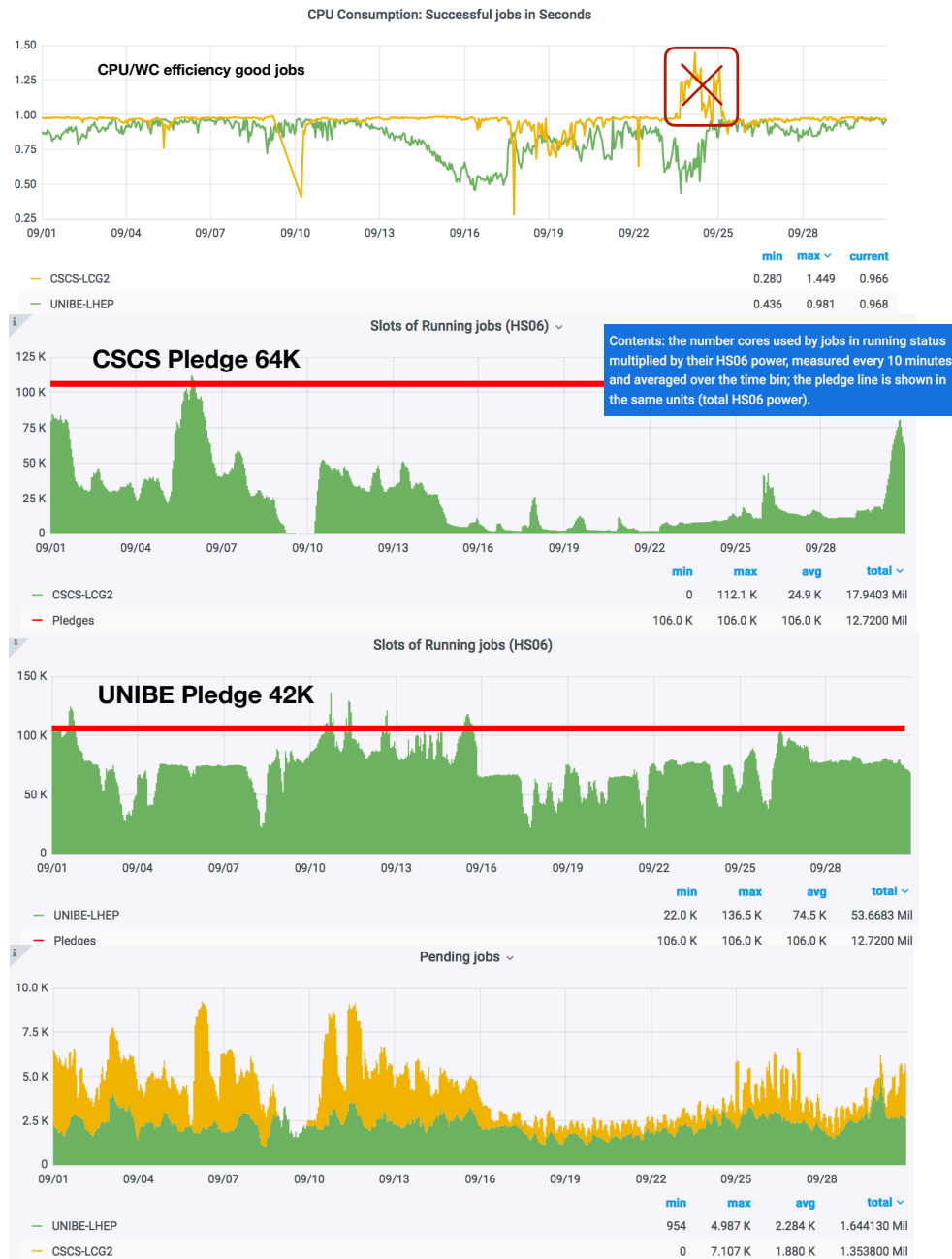
ATLAS Tier-2 statistics (September 2020)

	CSCS-LCG2	UNIBE-LHEP
HS06 all jobs (pledge 64k+42k)	24.9 (39%)	74.5 (177%)
WC h all jobs (% of total for the 2 sites)	1'417'917 (29%)	3'444'750 (71%)
WC good/all jobs	0.86	0.91
CPU/WC efficiency good jobs	N/A	0.849
ANALY share	0.33	0.05

ATLAS HammerCloud statistics (September 2020)

	CSCS-LCG2	UNIBE-LHEP
ANALY-CSCS-HPC	N/A	
CSCS-LCG2-HPC_MCORE / UCORE	N/A	
UNIBE-LHEP		N/A
UNIBE-LHEP-UBELIX		N/A
UNIBE-LHEP-UBELIX-MCORE-LOPRI		N/A

Transitioning to new dashboard

CPU Consumption: Successful jobs in Seconds
CPU/WC efficiency good jobs

	min	max	current
CSCS-LCG2	0.280	1.449	0.966
UNIBE-LHEP	0.436	0.981	0.968

Slots of Running jobs (HS06)
CSCS Pledge 64K

Contents: the number cores used by jobs in running status multiplied by their HS06 power, measured every 10 minutes and averaged over the time bin; the pledge line is shown in the same units (total HS06 power).

	min	max	avg	total
CSCS-LCG2	0	112.1 K	24.9 K	17.9403 Mil
Pledges	106.0 K	106.0 K	106.0 K	12.7200 Mil

Slots of Running jobs (HS06)
UNIBE Pledge 42K

	min	max	avg	total
UNIBE-LHEP	22.0 K	136.5 K	74.5 K	53.6683 Mil
Pledges	106.0 K	106.0 K	106.0 K	12.7200 Mil

Pending jobs

	min	max	avg	total
UNIBE-LHEP	954	4.987 K	2.284 K	1.644130 Mil
CSCS-LCG2	0	7.107 K	1.880 K	1.353800 Mil

General ATLAS news

- Running 481k slots on average (176% of pledge)
  - 11% failed WC (stable)
  - 82% CPU/WC efficiency of good jobs (low)