Analysis of empty ATLAS pilot jobs

P A Love, M Alef, S Dal Pra, A Di Girolamo, A Forti, J Templon, E Vamvakopoulos

In this analysis we quantify the wallclock time used by short empty pilot jobs on a number of WLCG compute resources. Results show a wide variation of wallclock time used by short jobs depending on the site and queue, and changing with time. The mean fraction of wallclock time used by short jobs over a single month can range from 0.1% to 0.9% depending on the site.

Site (August 2016 daily data)	Fraction of wallclock for short jobs (mean ± stddev)	Fraction of short jobs (mean ± stddev)
CC-IN2P3	(0.08 ± 0.11)%	(25 ± 14)%
FZK-LCG2	(0.22 ± 0.69)%	(40 ± 24)%
INFN-T1	(0.01 ± 0.01)%	(2 ± 3)%
MANC-HEP	(0.14 ± 0.13)%	(28 ± 17)%
NIKHEF-ELPROD	(0.88 ± 1.81)%	(41 ± 30)%