Analysis of empty ATLAS pilot jobs

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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             | 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)%                             |