



Tech issues with Chinese HPCs

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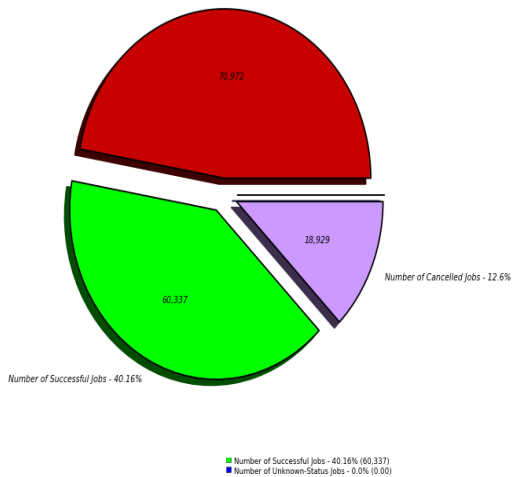
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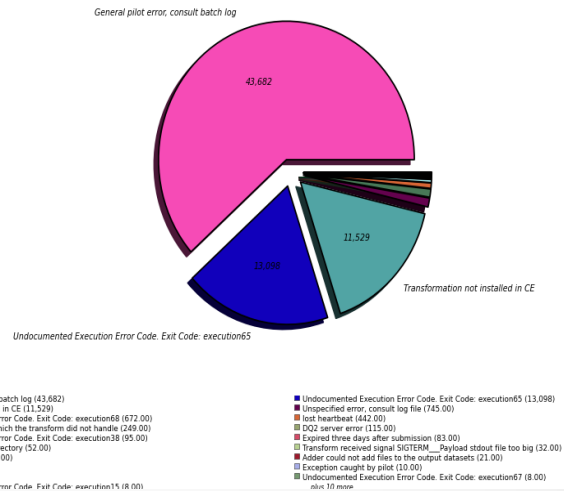
Errors



Number of Successful and Failed Jobs (Sum: 150,238)
Number of Failed Jobs - 47.24%



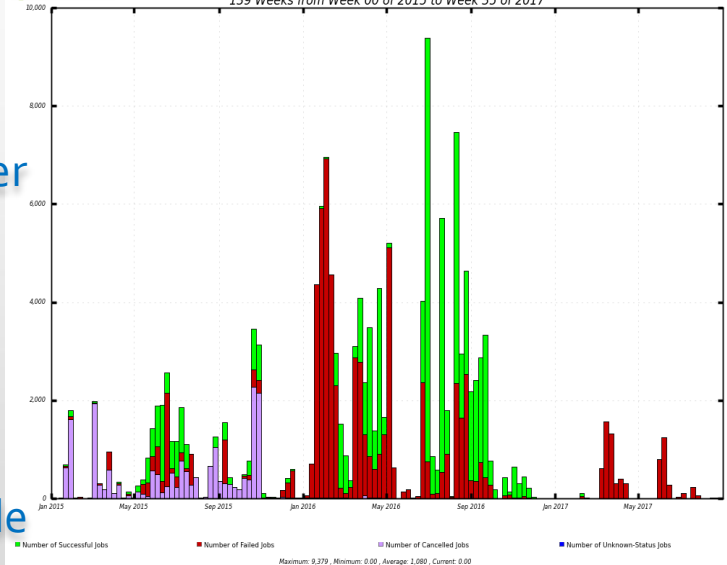
Panda Failures by ExitCode (Sum: 70,920)



- 47% Failed jobs
- Due to
 - SCI interface to ARC CE, weak file transfer functionality
 - ATLAS Software release upgrade
 - Incompatibility from Pilot upgrade
 - Trying to access files from CVMFS
- Current obstacle
 - Distribute ATLAS R21.0 to HPC shared file system



Number of Successful and Failed Jobs
139 Weeks from Week 00 of 2015 to Week 35 of 2017



Recent issue

- Software release for R21
 - HPC does not allow cvmfs installation
 - The directory structure for R21 is very different from R19, which was used in Chinese HPCs.
- A solution from BNL
 - Download the entire R21 as a local installation
 - 15 GB software, 3GB DBrelease
 - Software directory structure is different from what is in CVMFS, it require different environment setup
 - Successful with a local simulation job
 - Working on integrate it with ARC CE wrappers, and pilot.. (It requires changes in the ARC CE wrapper, possibly in the pilot code too..)



Thanks!