



LArIAT & FIFE

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Run Coordinator

U Cincinnati

FIFE Workshop 2015.06.01

Fermiland

2015.04.30: Online and taking beam!



**ARTDAQ
ECL & Redmine**

MC Generation

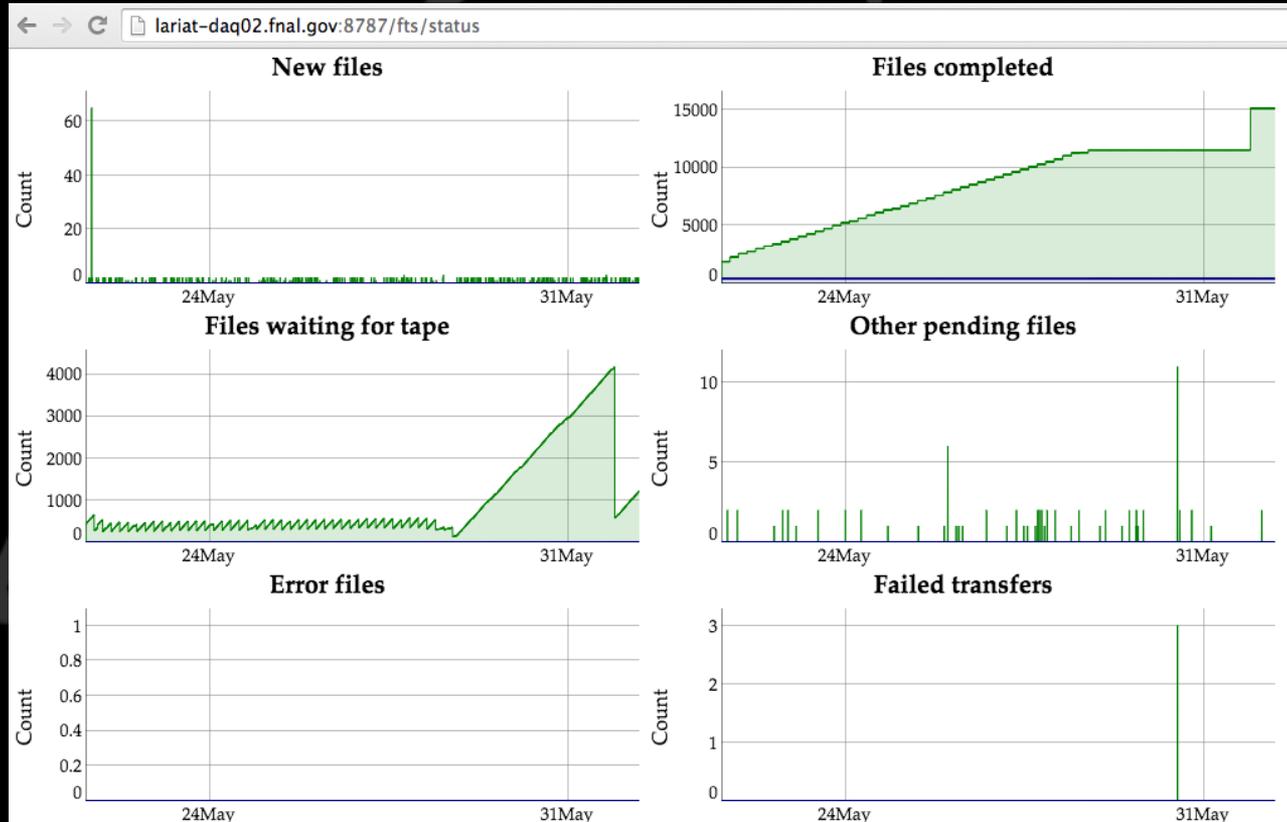
“Beam Files” via `jobsub_client`

- One of the early adopters of the new `jobsub`
- Good feedback, updates, and response!
 - Close work with SCD developers, here as in other matters

Ongoing LArIAT development work:

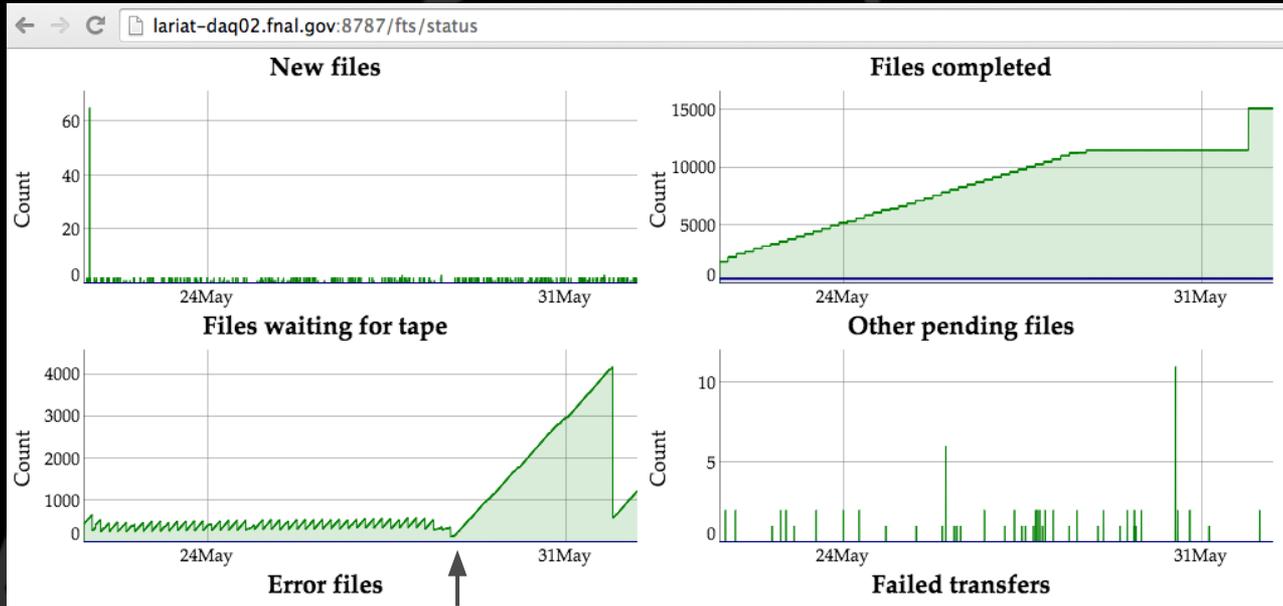
- Processing beam files → simulation

Data Handling



Homemade
script
“Xporter”
generates
SAM JSON
files from
IFBEAM
→ FTS
dropbox

Data Handling



Began using Small File Aggregation Friday

- One data file/minute (Main Injector spill rate)
- Most files (>95%) are ~1-2 Mb

Homemade
script
“Xporter”
generates
SAM JSON
files from
IFBEAM
→ FTS
dropbox

Data Handling

Data go to PNFS/Enstore

- Set up was fairly easy on our end
- Special raw, prod accounts especially good

Comment:

- Way to improve cooperation between SAM, FTS, enstore, kerberos experts?
- Else prepare to educate a LOT of us computer ignorant experimentalists

Data Handling

Access:

SAM instance plus outside database:

- ~500 Condition data → IFDB01
- ~300 Configuration data* → IFDB01

* Foreign table feature of PostGres 9

Data Handling

Comment:

- Way to improve cooperation between SAM, FTS, enstore, kerberos experts during setup phase?
- Else prepare to educate a LOT of us computer ignorant experimentalists

Data Processing

LArSoft stakeholders

- Extensive “Auxiliary” detectors

Data Processing

LArSoft stakeholders



Extensive “Auxiliary” detectors

Data Processing

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Extensive “Auxiliary” detectors

OSG hopefuls & **project.py**

- Data processing scope & details being worked out this summer
- RAW → ReadyForReco: soon
- RECO expect continual development

General Feedback

Talks with FIFE projects began ~early 2014

LArIAT was asked a lot of questions about file size, rate, description, organization, utilization, processing, and storage which we could not answer. (And still learning new answers!)

Thanks for continued collaboration, expertise, and willingness to try new things!