"Offline Batch Reconstruction"

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MICE Raw Data

Raw data on Grid, for up to December 2012 run inclusive

- **Data validation up to last December (run 4778)**
- **All data tarballs valid (internal checksums OK)**
- **All data tarballs have two copies on tape at Tier 1 Castor**
- **All data tarballs have overall checksums match between Castor and MLCR copy**
- **Copies of data at RAL PPD, Imperial College (web) and Brunel (Grid/WebDAV)**

MICE Data

Copies of data at RAL PPD, Imperial College (web) and Brunel (Grid/WebDAV)

/dpm/brunel.ac.uk/mice1/mice/MICE/Step1/04700/ - Windows Internet Explorer

https://dgc-grid-38.brunel.ac.uk/dpm/brunel.ac.uk/mice1/mice/MICE/Step1/04700/

/dpm/brunel.ac.uk/mice1/mice/MICE/Step1/04700/

Mode	UID	GID	Size	Modified	Name
-r--r--r--	101	107	9.1M	Thu, 14 Feb 2013 08:49:53 GMT	04742.tar
-r--r--r--	101	107	550.0K	Thu, 14 Feb 2013 08:50:46 GMT	04743.tar
-r--r--r--	101	107	840.0K	Thu, 14 Feb 2013 08:51:26 GMT	04744.tar
-r--r--r--	101	107	100.0K	Thu, 14 Feb 2013 08:52:08 GMT	04745.tar
-r--r--r--	101	107	10.0K	Thu, 14 Feb 2013 08:52:39 GMT	04746.tar
-r--r--r--	101	107	2.1M	Thu, 14 Feb 2013 08:53:29 GMT	04747.tar
-r--r--r--	101	107	13.8M	Thu, 14 Feb 2013 08:54:08 GMT	04748.tar
-r--r--r--	101	107	10.0K	Thu, 14 Feb 2013 08:54:54 GMT	04749.tar
-r--r--r--	101	107	2.3M	Thu, 14 Feb 2013 08:55:57 GMT	04750.tar
-r--r--r--	101	107	1.4M	Thu, 14 Feb 2013 08:56:40 GMT	04751.tar

Request by /C=UK/O=eScience/OU=Brunel/L=ECE/CN=henry nebrensky (No proxy)
Powered by LCGDM-DAV 0.11.0

3

Offline Reco

MAUS installed at RAL Tier1 for Offline Reco

- automated process waiting for new raw data files
- when a new data file appears, makes Offline Reco and run-specific Monte-Carlo job using latest approved MAUS
- uses fast-response queue at RAL Tier1
- automatically runs MAUS jobs, creates output tarballs, saves them to Grid disk and tape :)
- said MAUS jobs didn't actually save the RECO information :((leftover script from the development process)
- Should be working with the next MAUS release

Offline Reco Data

- **automatically runs MAUS jobs, creates output tarballs, saves them to Grid disk and tape :)**

CVMFS

CVMFS

- a read-only filesystem based on HTTP; uses caching to give (usable) global coverage

- the master copy, Stratum-0, is at the RAL Tier1

- installed on Grid clusters at Brunel and Imperial

- testing MAUS - configuration modifications next release

Will then run Batch Offline reco for all/most data so far

Future:

- **Batch Offline Reco**
- **automated Data Mover at end of each run**
- **hardware dongles for mover and reco certificates**