



Grid and Data Access Status



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Motivation

The experimental phase of MICE at RAL looks to be coming to an end. Aim of this talk is to summarise what needs doing for ongoing data access - people may want to carry on doing analysis for a couple of years...

I have made a first pass at identifying some of the responsibilities in MICEmine ticket #1947.

On a personal note, my contract will also end which implies a lot of things to finish off and clear away, and not only on the MICE Grid & Muon Beamline. This means that any handover of expertise arising will need to be focussed on the next couple of months.



RAW Data

The RAW Data has a citable DOI:

`doi:10.17633/rd.brunel.3179644`

- all runs to 10699 have the RAW data on two tapes within Castor
- all runs to 10699 have the RAW and Offline RECO at Imperial and RAL PPD
- all runs to 10699 have the RAW data at Brunel

I will shortly change permissions to make this read-only. If there is are any runs for which the Compactor has not yet been run, run numbers must be identified and sent to me by **19th January**.



Miscellaneous Data

Longstanding drive to archive a variety of data from other activities in MICE, e.g.:

- Detector Tests (testbeam and cosmic data)
- Field Maps (measured and simulated)
- Geometry and surveys
- Technical drawings
- Tracker calibrations
- Muon Beams library
- EPICS Archiver archive
- MICE Target performance data

(Note that data curation and open access is a hot topic with the funding agencies)

Miscellaneous Data (geometry surveys, field maps, etc.) has a citable DOI:

`doi:10.17633/rd.brunel.5024885`



Miscellaneous Data

The Grid storage is my responsibility (wearing my Archivist hat) but preparation, indexing and making incoming data available rests with its creator!

<https://micewww.pp.rl.ac.uk/projects/computing-software/wiki/GridDataStorage>

By definition, I can't know about your data unless you tell me - it has to be a "push" model!

As asked repeatedly over the years, e.g. CM48 Collaboration Board, the only official route for permanent storage of MICE data is for the MICE Archivist (presently, me) to write it to the Grid.

This means the information I need - e.g. how to get the data and what it is - must be sent to me by **3rd April 2018**.



Various Grid Roles

There is a long list of other tasks that will need to continue, see #1947:

- VOMS Admin
- GridPP liaison
- Data Manager (contact point for data loss)
- Robot certificate owner and token maintenance
- RECO data movement operator
- Simulation production
- etc...

Suitable people will need to volunteer, get themselves sorted out with Grid access, and get the handover training before I leave the project.

<https://micewww.pp.rl.ac.uk/issues/1947>