

# DAQ -CM44

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No major interventions in the DAQ since the last collaboration meeting.

Mostly addressing the recommendations made by the MPB:

- The DAQ repository maintains frozen releases, making possible to easily **roll back** to an earlier version if needed.
- The software version used during the data-taking is now recorded in the CDB.

# Instructions explaining how to roll back the DAQ equipment software are available here

<https://micewww.pp.rl.ac.uk/projects/operations/wiki/DAQ>



The screenshot shows a web browser displaying the MICE Operations Wiki page for DAQ. The page has a dark blue header with navigation links: Home, Projects, Calendar, Help, and a search bar. Below the header, there are tabs for Overview, Activity, Issues, Gantt, News, Documents, and Wiki. The main content area is titled "DAQ" and includes a paragraph describing the system's basis on VME Front-End Electronics and Linux PC processors. It also features two sections: "Information and instructions for shifters" with a bulleted list of tasks (including a redacted link for rolling back) and "Information and instructions for experts" with a link to user manuals. A right-hand sidebar contains a "Wiki" section with links for Start page, Index by title, and Index by date.

It is as simple as running a single script on any of the DAQ computers

# Software version to CDB

Run Number: 7867

Run Type: Reference

Start Date: 2016-03-24 23:56:11.679789

End Date: 2016-03-24 23:58:26.501734

Start Pulse: 2185973

End Pulse: 2186082

Target Depth (mm): 0.0

Target Delay: 0.0

Total Beam Loss (mV):

Daq Version: DATE v7.66 EqList v0.9.2

Daq Trigger: TOF1

Daq Gate Width (ms): 3.0005

Start Notes: Reference Run with DS

End Notes: OK

Gdc Host Name: miceraid5

Optics: RefRun w/DS

Diffuser Thickness: 0

Beam Stop: Open

Status: false

Step: 4.0

Proton Absorber Thickness: 29

Magnets:

Name	Set Current	Polarity

The version identifier is automatically generated at the compilation time (cmake gets it from git), so no human intervention is needed.

# Conclusion

- DAQ was stable since quite some time.
- The system is ready for Step IV