

Online Monitoring Instructions

The instructions for running the Online Monitoring from the new location on the OnRec02a machine are very similar to the original instructions. Please refer back to the original instructions for assistance/explanations of steps.

- 1) Log on to the OnRec02a machine as mice.
- 2) Select a desktop different from the Online Reco desktop.
- 3) Open 2 terminal windows in the Online Monitoring desktop.
- 4) In each window, type:
[miceonrec02a] > bash
- 5) In each window (to get to new OnlineMon area with new unpacking), type:
[onrec02a] > cd mice/OnlineMonitoring/onlineMon
- 6) To run the online monitoring from the online data stream, in the first window, start the histogram processor by typing:
[onrec02a] > bin/miceOLM -f @miceraid2a:
- 7) Then in the second window, start the histogram graphical user interface (GUI) by typing:
[onrec02a] > root
In root, type:
root[0] .x ./src/miceOLMGUI.cxx++
- 8) Press the **Connect** button on the GUI window
- 9) To see the default histograms:
Click on the **Get Preset** button and choose a preset file (e.g. DEFAULT.pst)
- 10) Click on the **Stop** button to stop the histogram producer.

At the moment, to run the Online Reconstruction, you run a version of TofMonitor, KLMonitor, and Scalers.

- 1) Log on to the OnRec02a machine as mice.
- 2) Select a desktop different from the Online Monitoring desktop.
- 3) Open a terminal window.
- 4) In the window, type:
[onrec02a] ~> cd /home/mice/mice
[onrec02a] ~> source setupmice.csh
[onrec02a] ~> cd /home/mice/mice/MICE/Applications/TofMonitor
- 5) Then, once you are in the correct directory, type:
[onrec02a] ~> ./TofMonitor cards.in

If you want to run other online reconstruction software (e.g. KLMonitor or Scalers), just substitute *TofMonitor* with the name of the application in both Applications subfolder and the program name.

(e.g. cd /home/mice/mice/MICE/Applications/KLMonitor; ./KLMonitor cards.in)

- 6) If you are taking data, you should now be able to see plots appearing in the TofMonitor histograms (or the desired application output).