Nutaq Online operator's manual
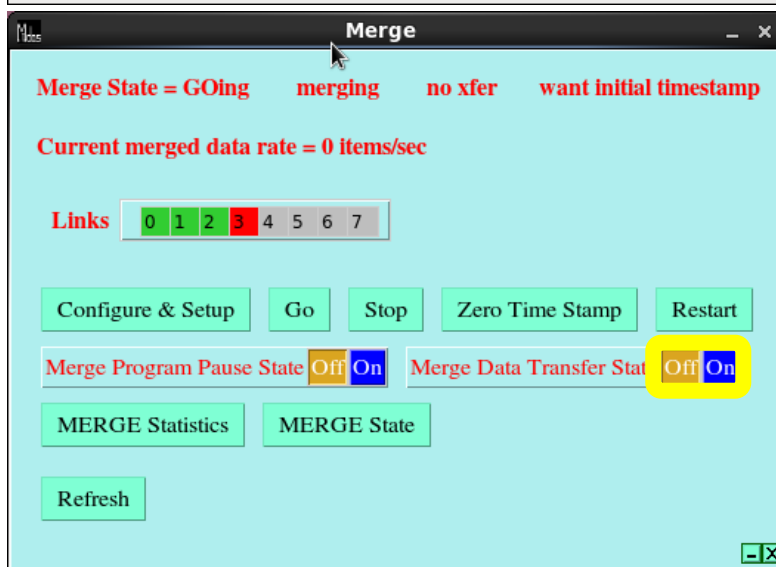
1. How to start/stop file write to tape.

On nnids01 (Dell desktop on the right of the windows machine) go to virtual desktop (right bottom corner of the screen) number 3.

The two windows on the right side of the screen control the merge state (event builder) and tape write. The severs status in Tape Drive control and Merge Data transfer status buttons control the data flow.

START FILE: Server Status → GO ; Merge Data Transfer → On
STOP FILE: Merge Data Transfer → Off ; Server Status → Stop

Run numbers increment automatically after Stop. If left running Run numbers will be appended with a subnumber (Run##_#) every 2 GB. Files are saved in upcids03.cern.ch:/home/TapeData/IS507/

2. How to check online histograms.

On nnids01 (Dell desktop on the right of the windows machine) go to virtual desktop (right bottom corner of the screen) number 4.

In order for Grain to access the online stream the Merge Data Transfer Status MUST be 'on' (independently of the Tape Drive's Server Status).

Make sure the Grain Sorter options (windows in the left side of the screen) are as shown in the picture below. The last option, the Results File, is user selected. It is recommended to use a file name connected to the current Tape Drive run number.

Online histogramming is controlled by the Run/Stop buttons. After each Stop the program will ask if histograms are to be saved. Saved histograms are stored in upcids03.cern.ch:/home/upcids03/Experiments/IS507/spectra/