How to run software?

e10001/GG1

1. Run Readout

Type ./godaq

code location: /opt/lucid/daq/10.1-008/
run readout: ./godaq

2. Run Scalers display

code location: ~/VMUSB/Scalers
run: goscaler

Note: You can use "goscaler" from anywhere

3. Run Switcher

"goswitch" from anywhere

4. Run elog

code location: /user/e10001/elogsync

Type commands:

elogServer
-run this only ONCE. Running it on two different machines will kill the server

Goelog
Start elogclient; can be run multiple times.

5. Power supply printout for HiRA Si and CsI

telnet 35.9.56.159 1527
user name : admin
password: admin

Use tab to navigate the menus. Go to Main -> Channels, then Groups->Group 05.
DON'T CHANGE ANYTHING IF YOU DON'T KNOW WHAT YOU'RE DOING!!!

Printout the voltage log on linux
Applications→Accessories→Take screens shot
“Grab current window”, wait for a second
Click “Take screenshot” and immediately click the HV display window.

6. Online Data analysis with SpecTcl

code location:e10001/VMUSB/VMUSBSpecTcl
run spectcl : ./SpecTcl

files in /e10001/VMUSB/VMUSBSpectcl/

description	def-file [def-files]	win-file [win-files]
HiRA Si		
Summary of raw energy distribution for each Si	def-files/asic_energy_summary.tcl	win-files/asic_energy_summary.win
Calibrated energy summary		
Summary of time distribution for each Si	def-files/asic_time_summary.tcl	win-files/asic_time_summary.win
HiRA CsI		
Summary of raw energy distribution for each CsI	def-files/csi_summary.tcl	win-files/csi.win
CAESAR		
Summary	def-files/caesarsummary.tcl	win-files/CEsummary.win

For offline analysis:
Data Source→File→**click ringbuffer (very important or the program crashes)**
Runs are in stagearea/complete

7. HiRA Si Control Software

code location: ~/VMUSB/ASIC_control_E
run : ./CHIP
then

ONLY if the VME crate has been reset, either by software or by powering it off, load the XLM configurations a.k.a. the bit file. DON'T DO THIS IF THE VME CRATE HAS NOT BEEN DISTURBED:
1) On the File menu, select XLM configure
2) In the frame that opens at the right of the program, you will have to load a configuration into each XLM.
3) Set the "crate" slider to 0, and the "type" slider to XLMXXV
4) Set the "slot" slider to 3
5) push "Pick Load File", then select "Browse". You cannot just type the filename.
6) Select "xlmxxv_rev518.bit "
7) The bit file will load into the XLM, which will take some time (10 s to 1 m)
8) If the program crashes, chances are the XLM has locked up and you have to turn the VME crate off and back on again, and start over.

9) When it has loaded, check the messages in the terminal window. They will tell you whether the XLM correctly communicated with the motherboards. Make a note if you saw any errors here but you can continue regardless if there are only a couple of lines of errors.
10) Repeat steps 3 – 9 for the other two XLMs (slots 4 and 5).
11)From the File menu, select Load.
12) Select Browse. Again, you cannot just type in the filename
13) Browse to setupfiles, and select: MB123_0205.setup

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8. Load CsI

code location: ~/VMUSB/CSI_disc
run: wish pico.tcl

This will not work if CAMAC crate is off.

(Re)load gains and thresholds by pressing F8.