

Brief Guide to MIDAS and NOVA at ND

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MIDAS

to compile a new or modified frontend program :

-> gmake UFE=frontend

to start new frontend (in online directory):

-> Dio frontend

to shutdown frontend in ODB

-> shutdown frontend (eg. shutdown scatterfe)

for single direct CAMAC reads or writes :

-> Dio miocnaf

-in one start the online data base : **odb**

this allows you start, stop, write data etc. It is structured like a

directory tree, or like a pull-down-menue without the pull down.

In the top level you can **start** or **stop** a run or do an **ls** to look at the

other menues and settings. To specify writing of data you would

cd Logger and **set "Write data" 1** or **0** for not writing the data.

-The logger should be started with **mlogger** in a small separat window.

NOVA

It s best to choose a separate desktop (eg. #4) for all Nova windows.

- Crank a window and go to the knexp/nova directory.

- Do an "xyel" and "mstat -loop" to monitor the Data rate.

- do "**novastart yourname**"

- do "**nova**"

- you can **exit** nova at any time and enter again with **nova**.

- the graphics window disappears on exit, so do a **set term x**

- after you enter nova again.

- do "**@novacommandfile**" (eg. @phil10), to load the novacommandfile

- hopefully you do not have any error messages and a graphics window should come.

- if you have errors you can do "**new**", followed by "**set echo**"

- and "@ncmfile" again to see where the error occures.

- after you fixed the error(s) do "new" and "@ncmfile" again.

- Use "list/undef" to find undefined quantities.

- do **imode midas**, to choose the midas input data format.

- do "open local:knexp" (eg. your experiment name)

- do "ea" to enable analysis

- do "da" to disable analysis

Nova analysis from Disk :

- outside Nova do **setenv DATAFILE**
yourdatafile (eg. /data/knexp/run0053.mid)
- go back into Nova : **nova**
- **imode midas** (for offline analysis)
- **open DATAFILE**
- **zall** or **zero all** to clear spectra
- **ea**
- **stat** to see if analysis is running (exit
= return)