TWIST HV Control

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Here is a brief overview of HV control.

From the Status Bar, left−click on the HV button to bring up the HV window. The menu bar at the top contains two drop−down menus.

1. Set ODB. This allows you to globally set either all of the DCs or all of the PCs/target to a common voltage. The values that you enter here are stuck into the midas online database (ODB), but are NOT sent to the hardware.
2. Set hardware. There are 3 options here.
   1. Set from ODB. The values currently in the ODB (e.g. The ones that you just put there in the previous step) are written to the hardware.
   2. All On. The values in the ODB for ALL channels are written to the hardware. The "Set from ODB" (above) only sets channels which have been changed. This command is useful mostly as a recovery from #3.
   3. All Off. All channels are turned off (set to 0 Volts).

Note that setting a voltage is a 2−step process. First you set the value in the ODB, and then you set the hardware from the ODB. In the second step (setting the hardware) another window pops up asking if you are sure you want to do this.

In addition, you can set the voltage for an individual channel. Click on the Vset value for a particular channel and a window pops up letting you specify an individual channel voltage. You can either set it in the ODB and then use #2 above to set the hardware, or write it directly to the hardware. Note that if you set a "Global" voltage, any individual voltages you have set this way are forgotten and must be re−done (I'm working on it).