

Nevis Weekly Update

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What I'm Doing

- Continuing to work on code that analyzes output data from MRT (see last week).
- Code is close to complete; in uboonedaq repository (git)
- Bugging Kazu for C++ help (that package he made is cool) until he “rm -rf”s all of his data (whoops)
- Hack day, collaboration meeting, etc.



What I'm Doing (cont.)

- Investigating the remote-control Weiner power supply GUI at PAB that Sowjanya wrote.
- Still looking into inconsistencies (front panel not matching measured backplane voltage).

The screenshot shows the CSS Wiener power supply GUI. The interface includes a menu bar (File, Edit, Search, Run, CSS, Window, Help), a toolbar, and a main control area. The main control area features a 'Main Switch' (ON), 'Power Supply Status' (ON), and a 'mainOn(0)' button. A serial number 'S. No. 0898002' is displayed. Below this is a table of channel parameters for six channels (CH 01 to CH 06).

	CH 01	CH 02	CH 03	CH 04	CH 05	CH 06
Nominal Voltage (V)	+5.0 V	+12 V	+3.3 V	-5.0 V	-12 V	+5 VA
Channel Status	outputOn(0)	outputOn(0)	outputOn(0)	outputOn(0)	outputOn(0)	outputOn(0)
Target Voltage (V)	5.000	5.000	4.000	5.000	12.000	5.000
Meas. Voltage(V)	5.000	5.090	4.020	5.000	12.050	4.990
Meas. Current (A)	0.170	0.080	0.170	0.040	0.120	0.040

Below the channel table is an 'Expert Control Parameters' section with a warning: 'Make sure the system is OFF before you change the paramters below!'. This section contains a table of control parameters for each channel.

	CH 01	CH 02	CH 03	CH 04	CH 05	CH 06
Min. voltage (V)	4.870	4.500	3.750	4.870	11.500	4.870
Max. voltage (V)	5.250	5.250	4.250	5.250	12.600	5.250
OVP (V)	6.250	6.250	4.250	6.250	15.000	6.250
Max. current (A)	9.000	9.000	9.000	30.000	9.000	25.000
Const. curr. mode (A)	10.000	10.000	10.000	30.000	10.000	30.000

The bottom right corner of the window shows 'Not logged in'.

END

Note: I'm coming back to Nevis on July 3rd... save me a van spot!