

November 7, 2008

Procedure to Setup Special Noise Trigger (Changing AND/OR Term 192 Setup)

On d0tcc3 ONLY, login as d0cal:

```
cd ~d0cal/l1cal2b/tablib/run
```

Run the program:

```
./bin/setup_noise --help
```

(This list the usage)

```
./bin/setup_noise
```

```
[Option1] [Option2] .... <NUM_TOWER> <ADC_COUNT>
```

NUM_TOWER: Number of towers in trigger

ADC_COUNT: $16+4*\text{THRESHOLD}$ (per Tower in GeV)

($16=8+8$, pedestals for EM+HAD and 4 counts/GeV)

Run the program for 20 TTs above 7 Gev, for instance:

```
./bin/setup_noise --enable --verbose 20 44
```

The AND/OR term 192 is where the rates are observed. In order to observe the trigger, on Taker, download the Trig Config File:

```
/commissioning/l1cal/l1cal2b/trial/l1cal2b_noise_wcal_wsmt-1.0.xml
```

Or the one without the `_wsmt` (with SMT) suffix.

To go back to regular run, initialize the system with the `L1Cal_I Ib_GUI`. See the `Running_L1Cal_I Ib_GUI` procedure how to run this GUI.