

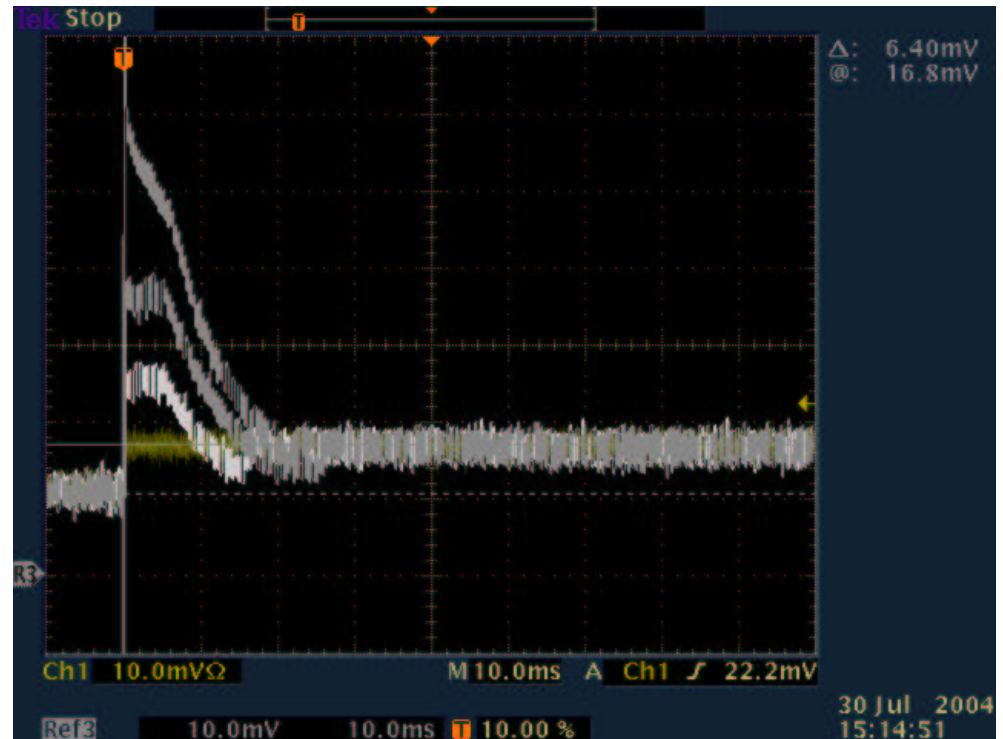
L00 Bias Current Measurements

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20 August 2004

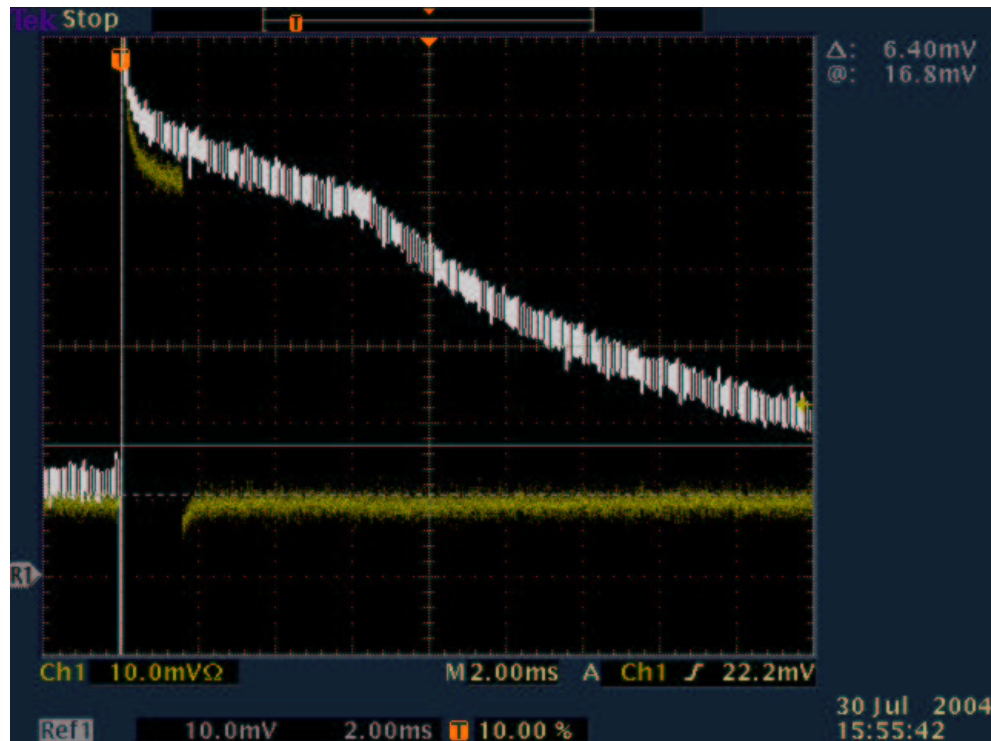
The Setup

- We use a specially modified L00 adaptor cable where all of the bias lines have been split.
- A current probe is attached to the positive bias line.
- The current probe amplifier is connected to an oscilloscope to provide a trigger and to measure the currents.
- We are able to adequately resolve our small (several milliamp) currents with this setup.
- The setup allows us to measure instantaneous currents on the bias lines.



Crowbar Fuses

- According to the crowbar specs, the fuse should blow in about a millisecond when passing about 20 milliamps of current.
- We confirmed this with our setup on the test stand.



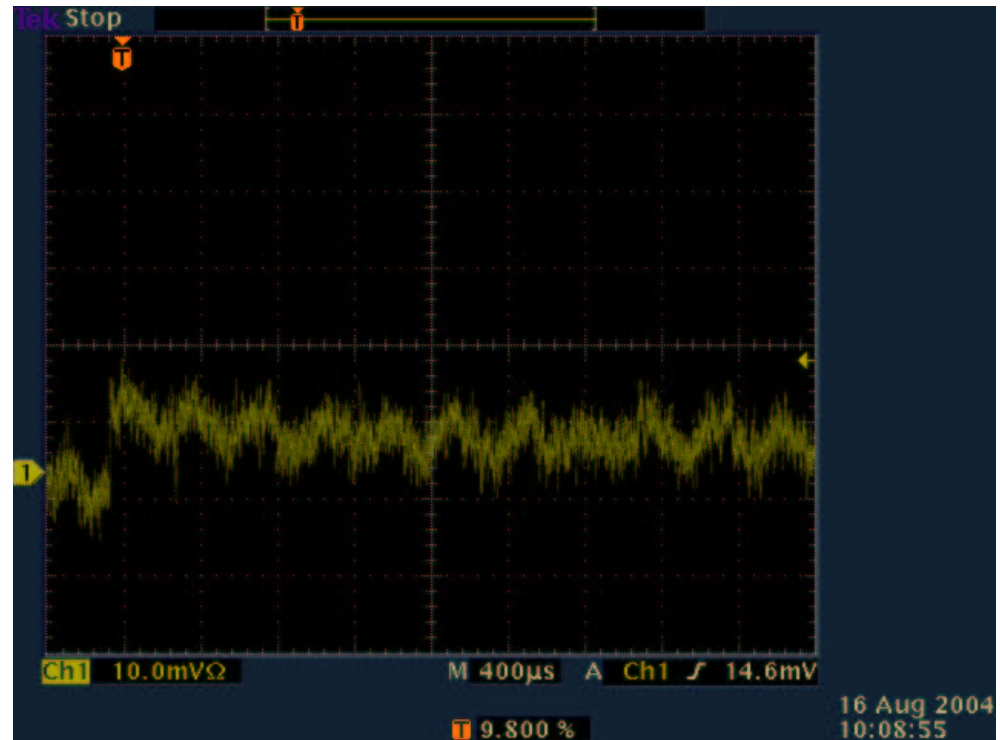
Installing at CDF

The setup was installed in CDF early in the morning on 14 August. We are monitoring the LB0W1L3A bias.

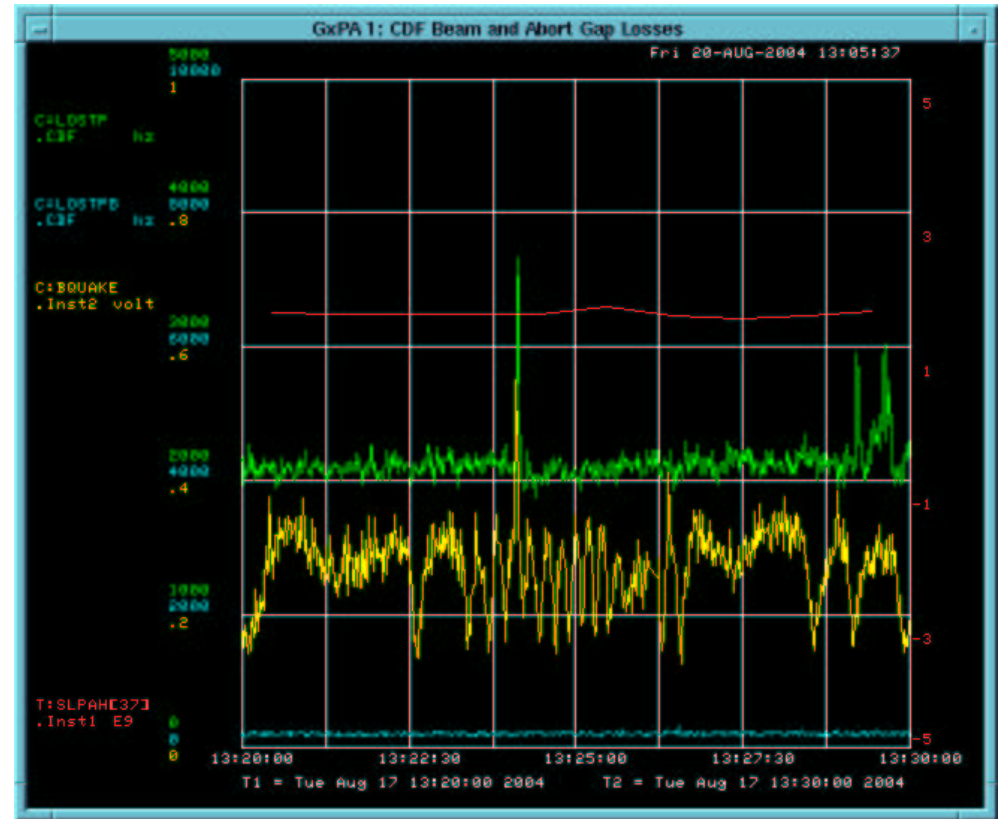
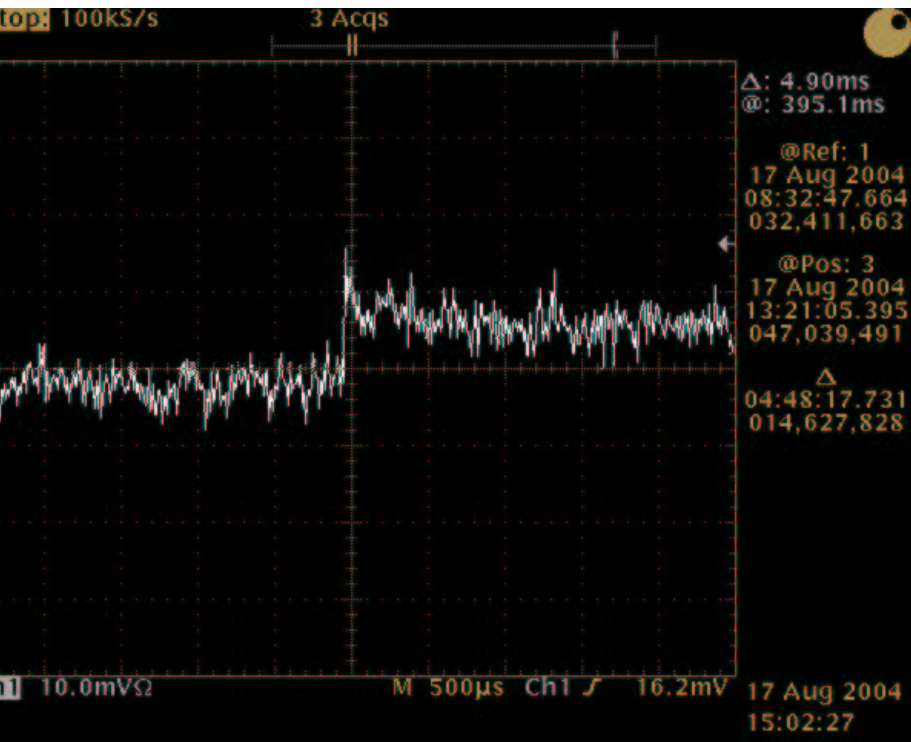
The current probe with the modified adaptor were installed in the hall.

A 5v enable cable, that was run for some WIB measurements a couple of years ago was used to connect the oscilloscope to the current probe amplifier.

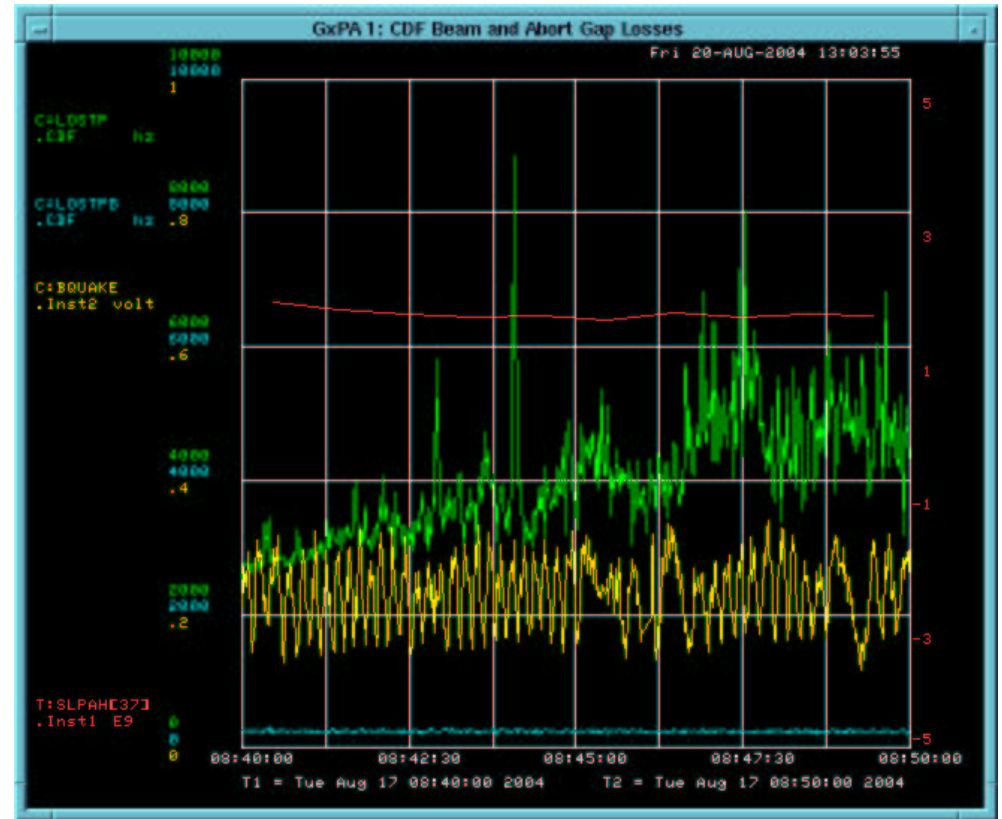
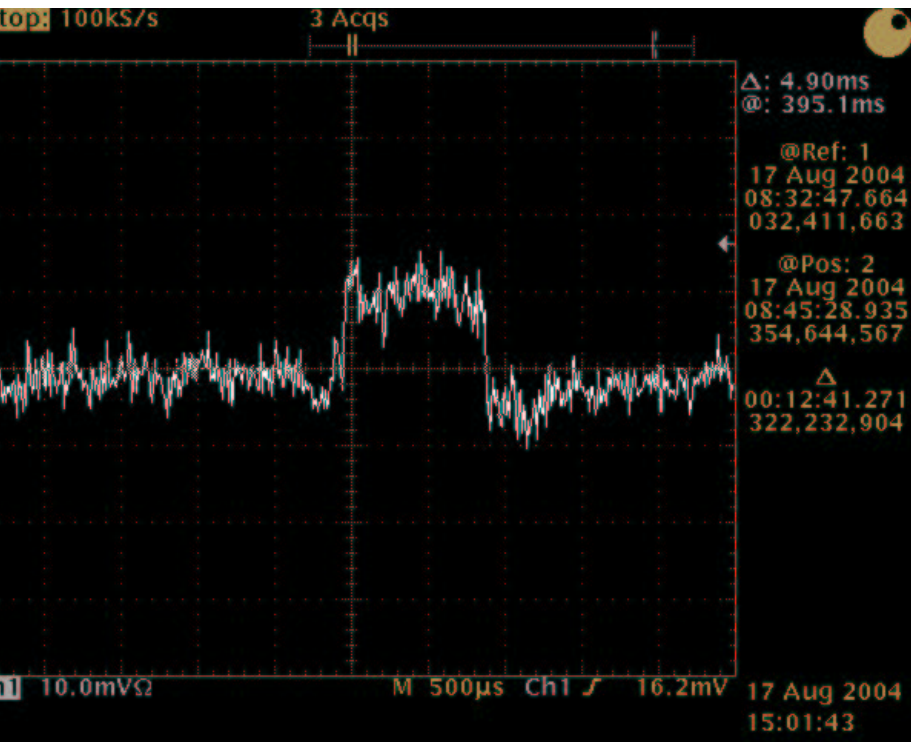
The long cable increases the noise but gives us access to the scope.



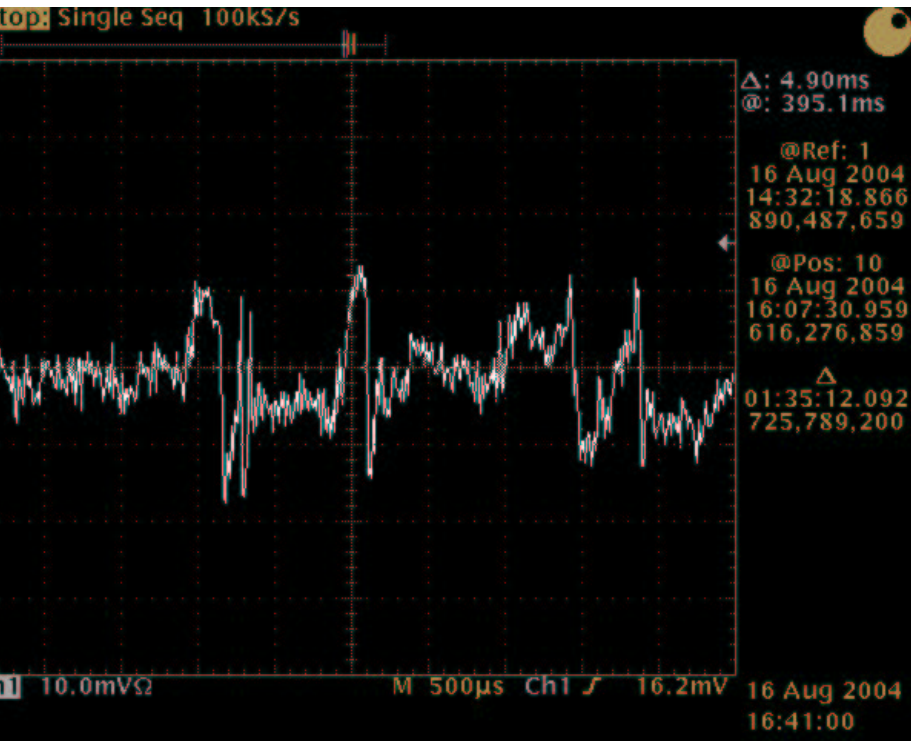
What Have We Seen?



What Have We Seen?



What Have We Seen?



NO BEAM

What Have We Seen?

