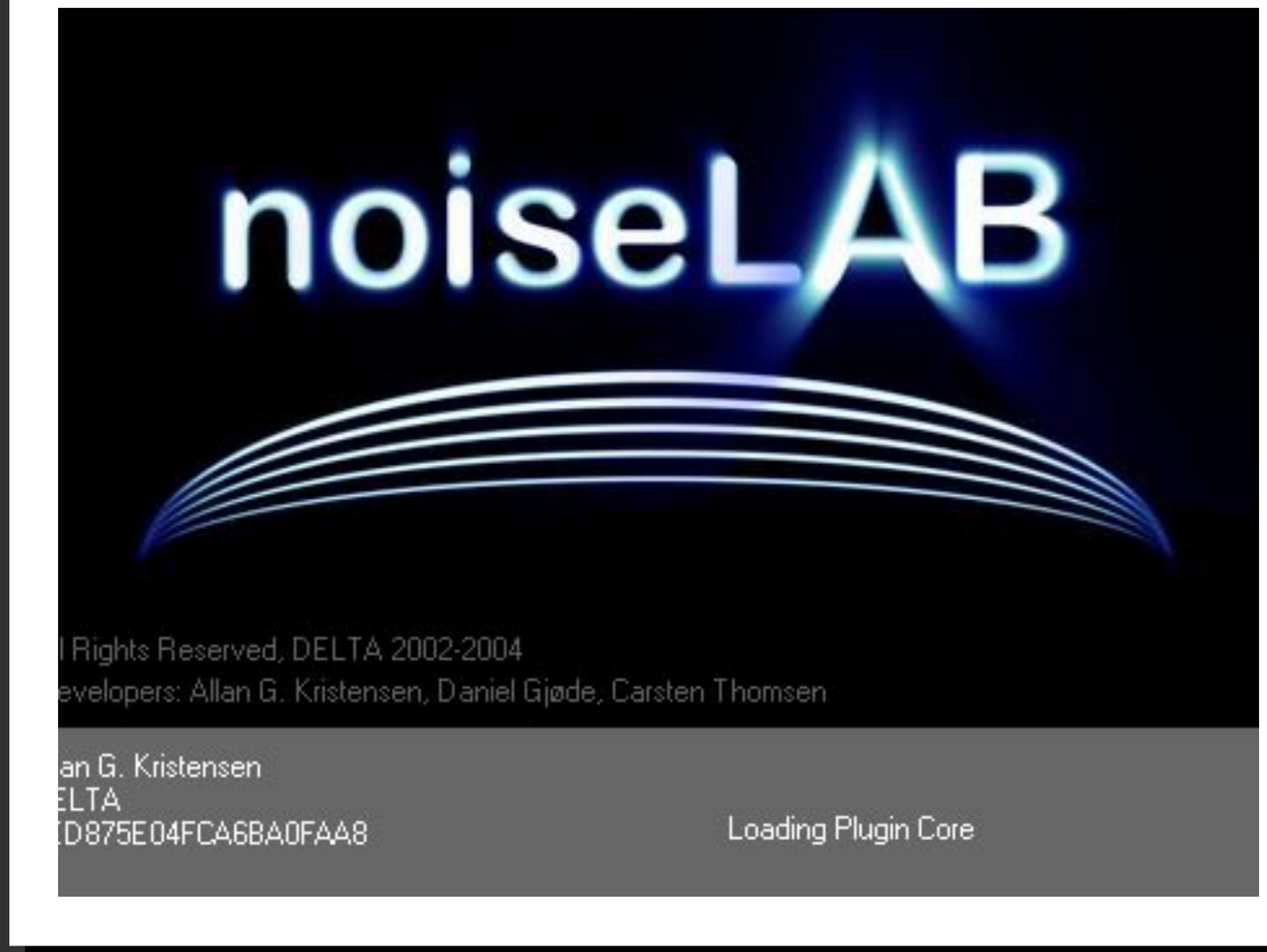
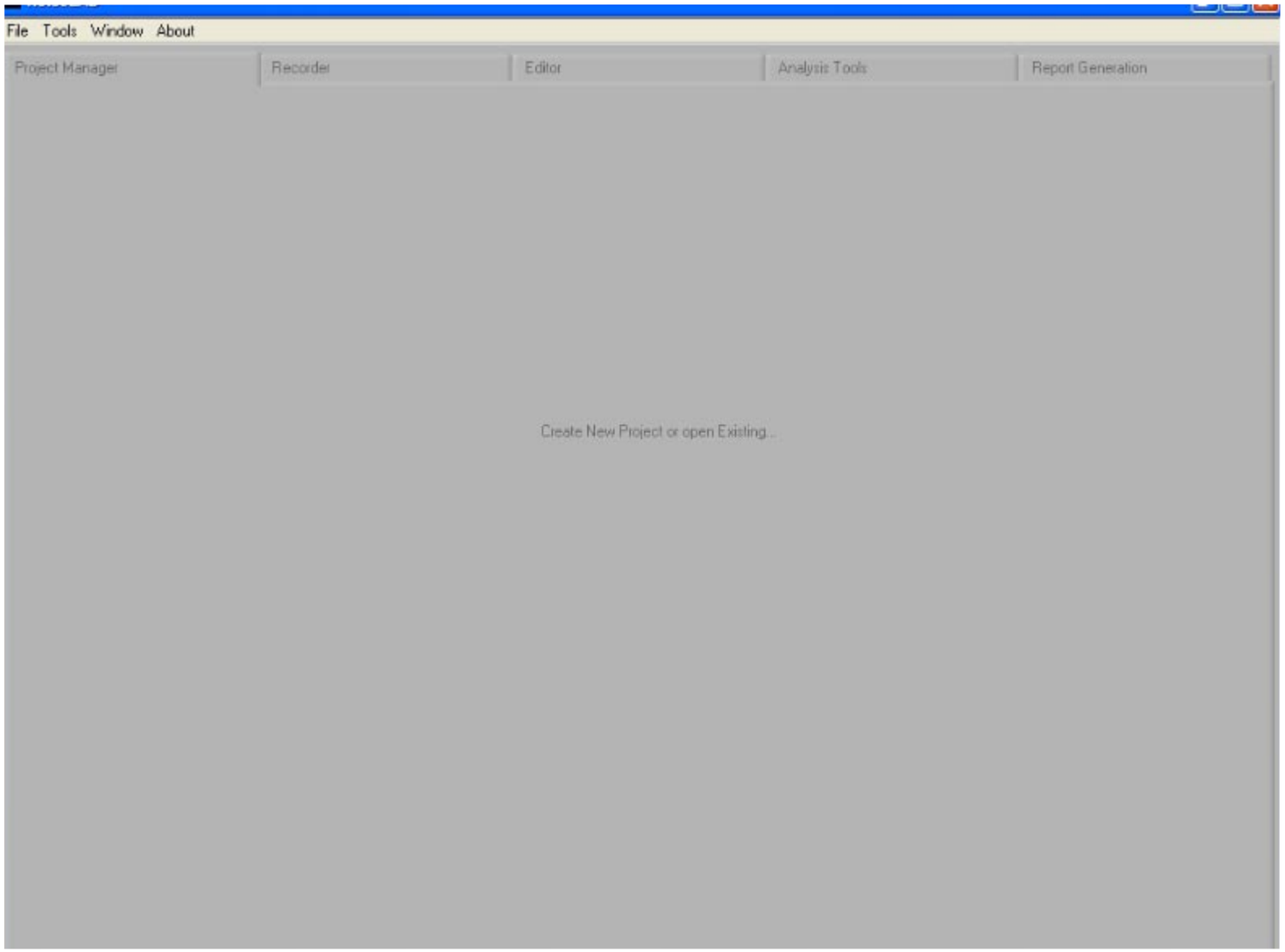
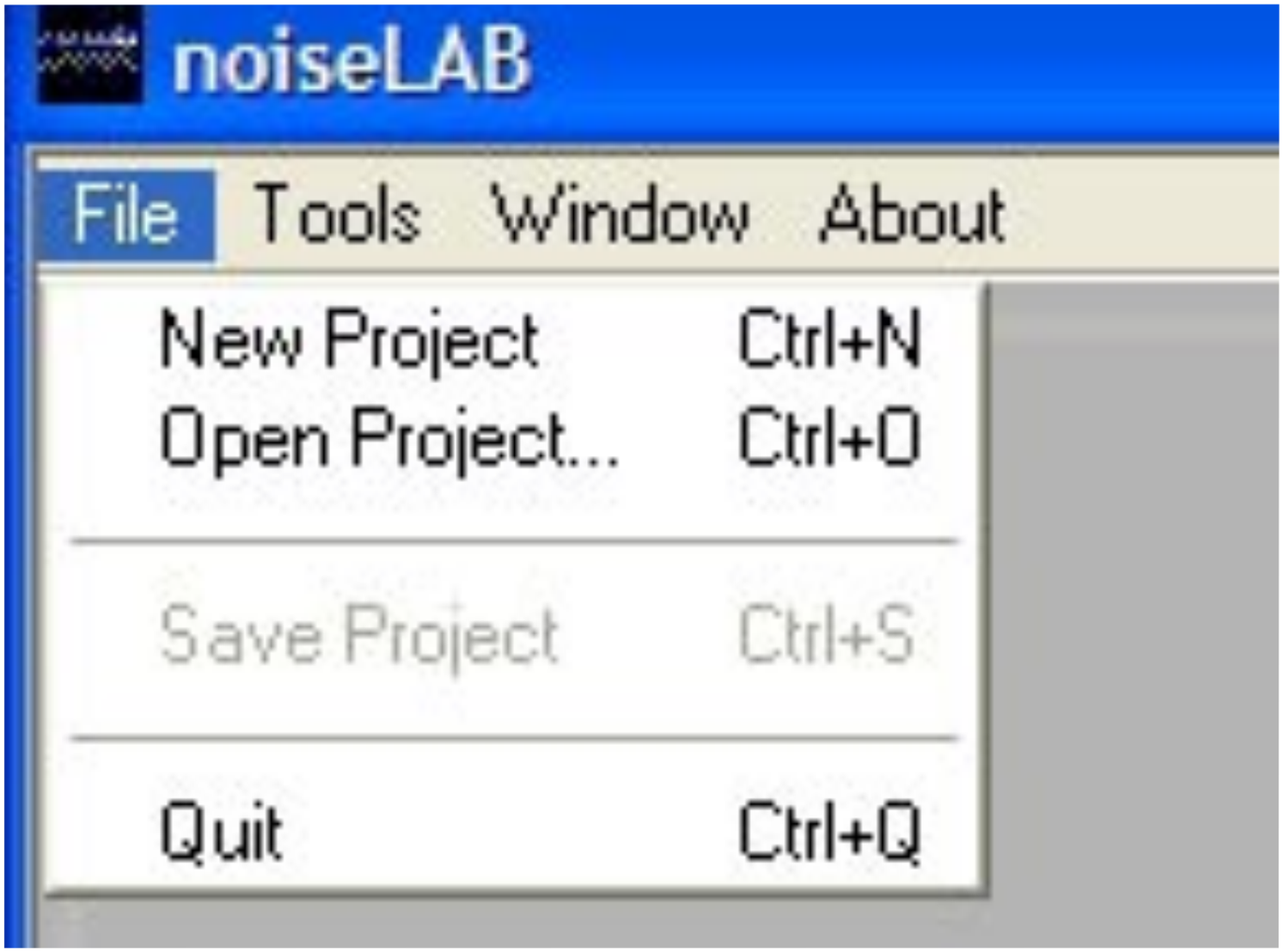
noiseLAB Product Tour

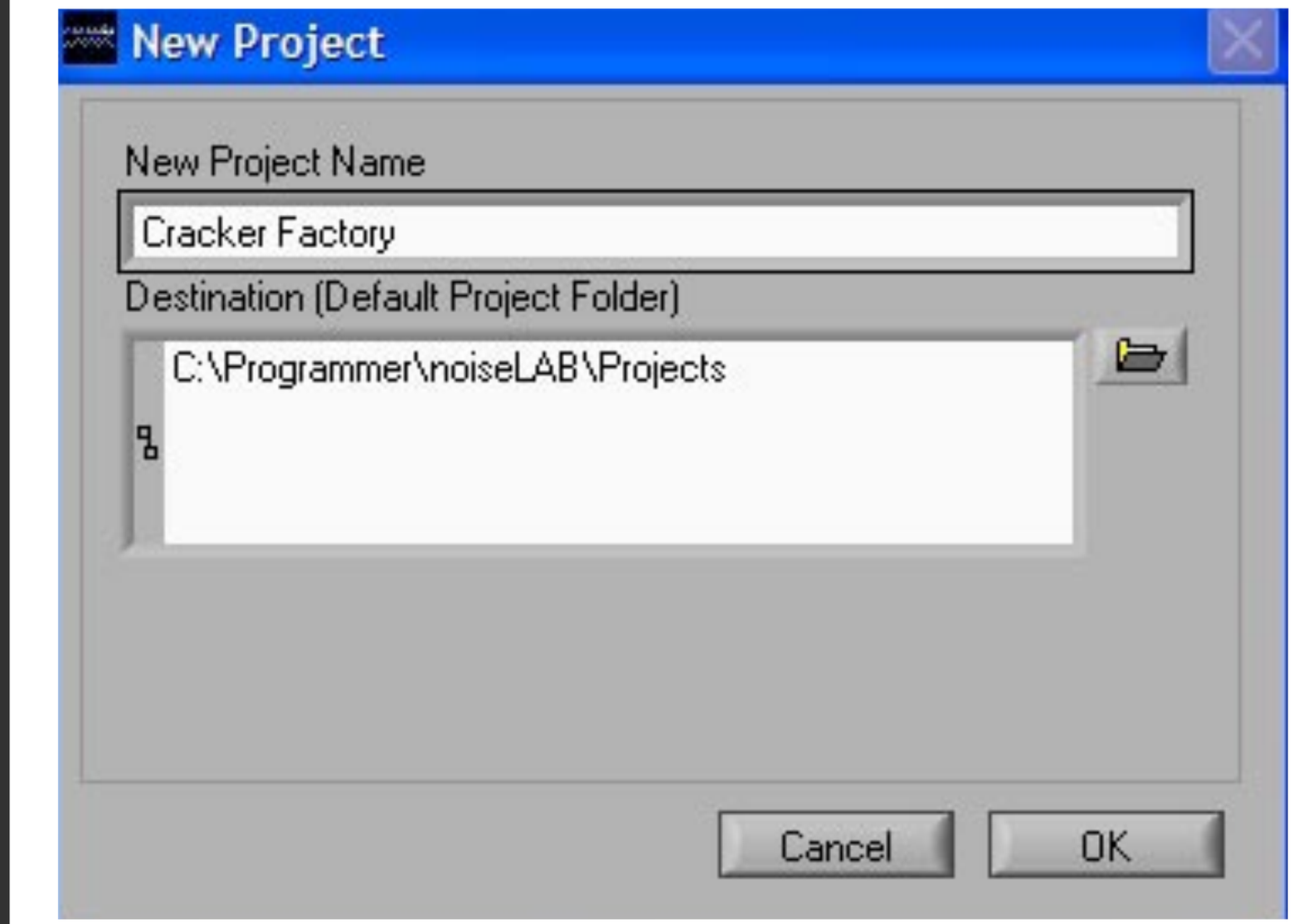




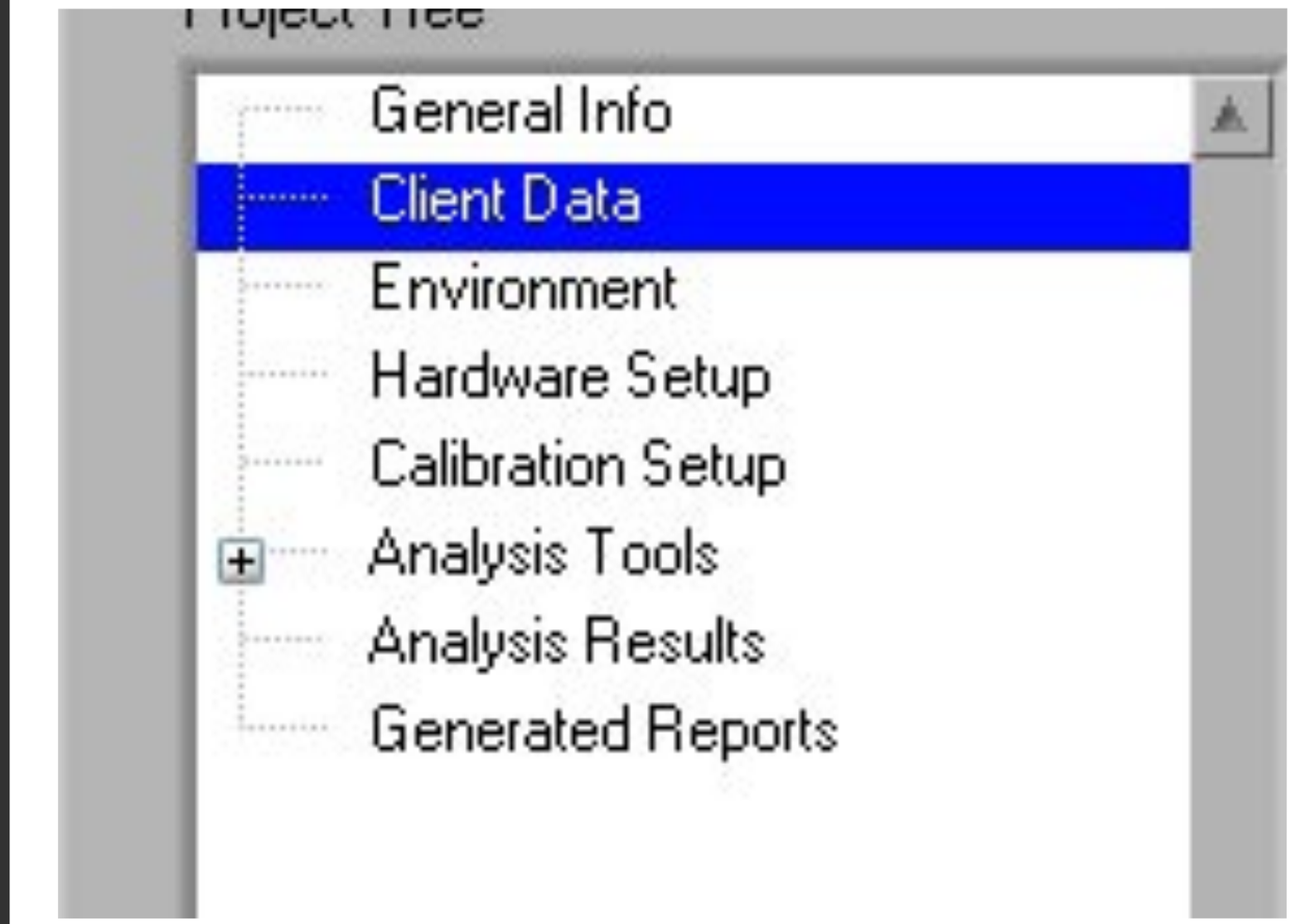
Five main functions make noiseLAB Simple



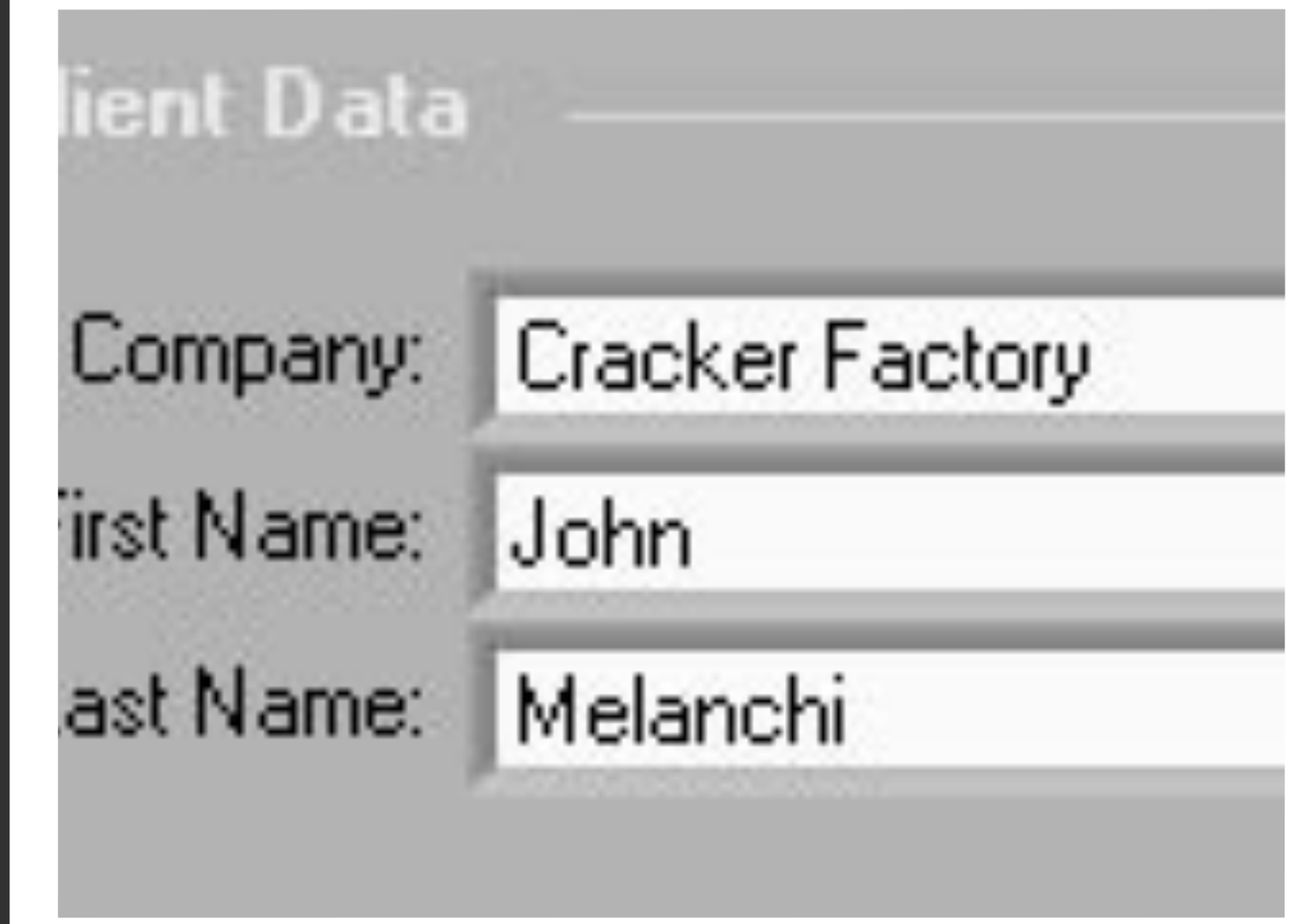
Start by creating a New Project



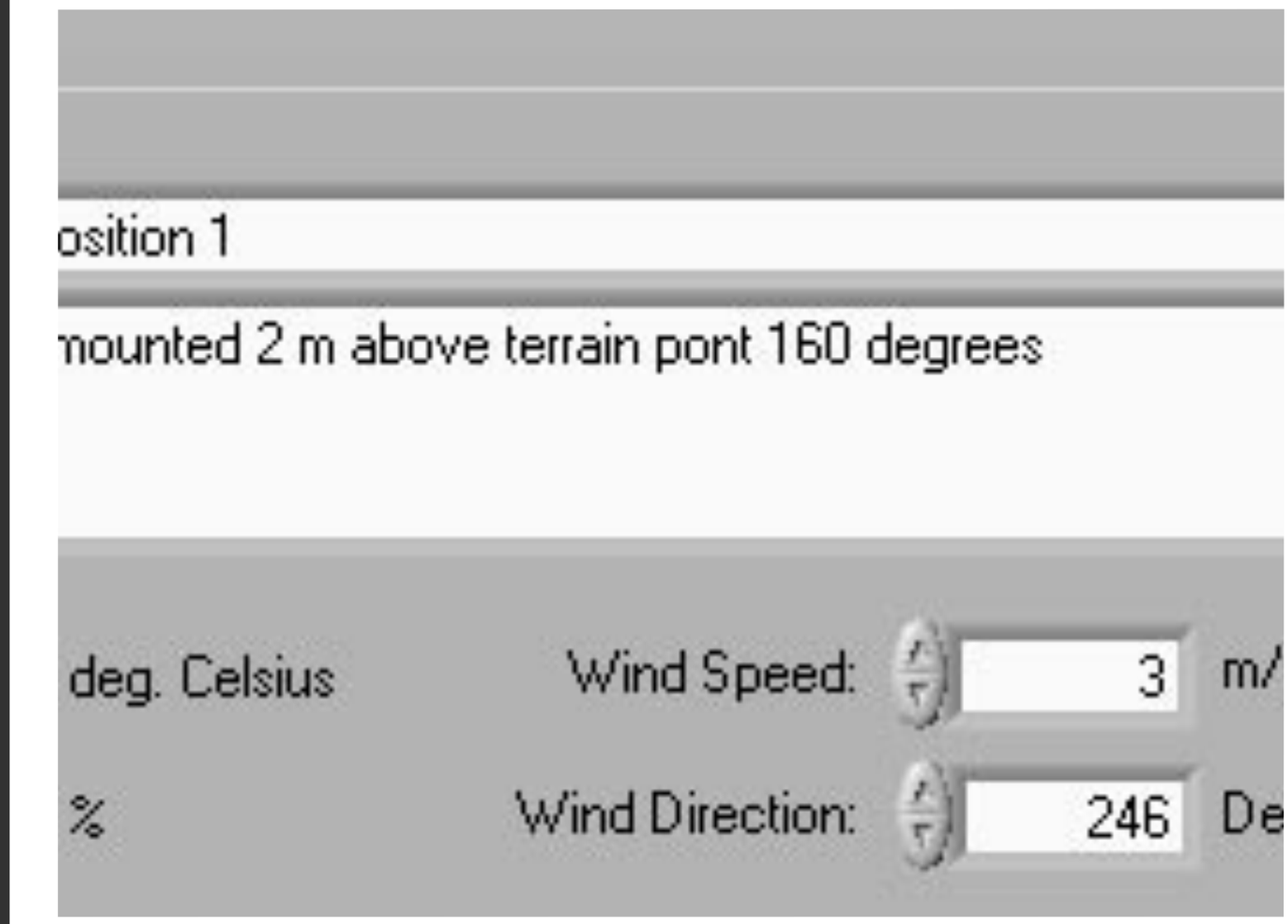
and give it a meaningful name



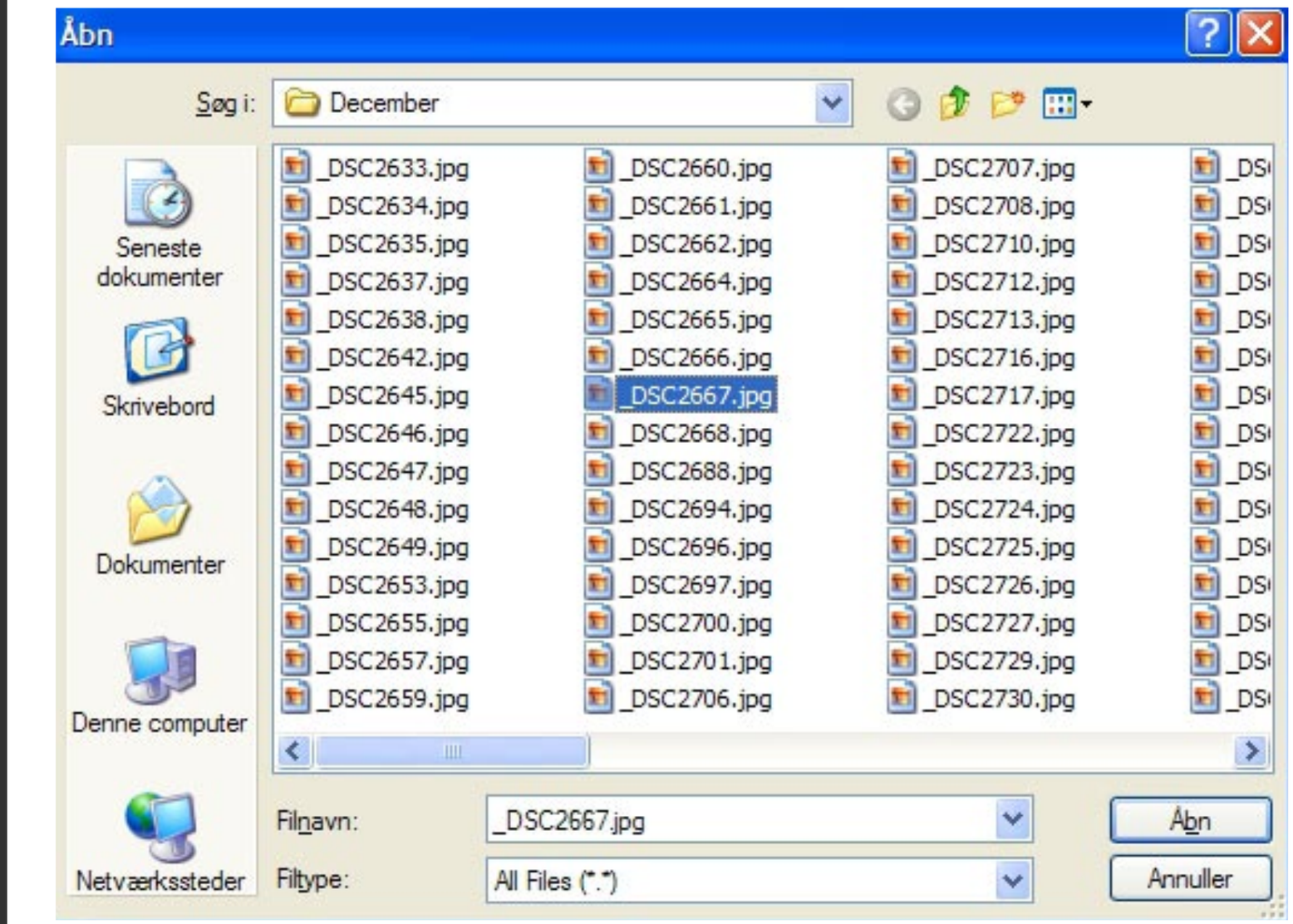
The Project Tree gives you a great overview



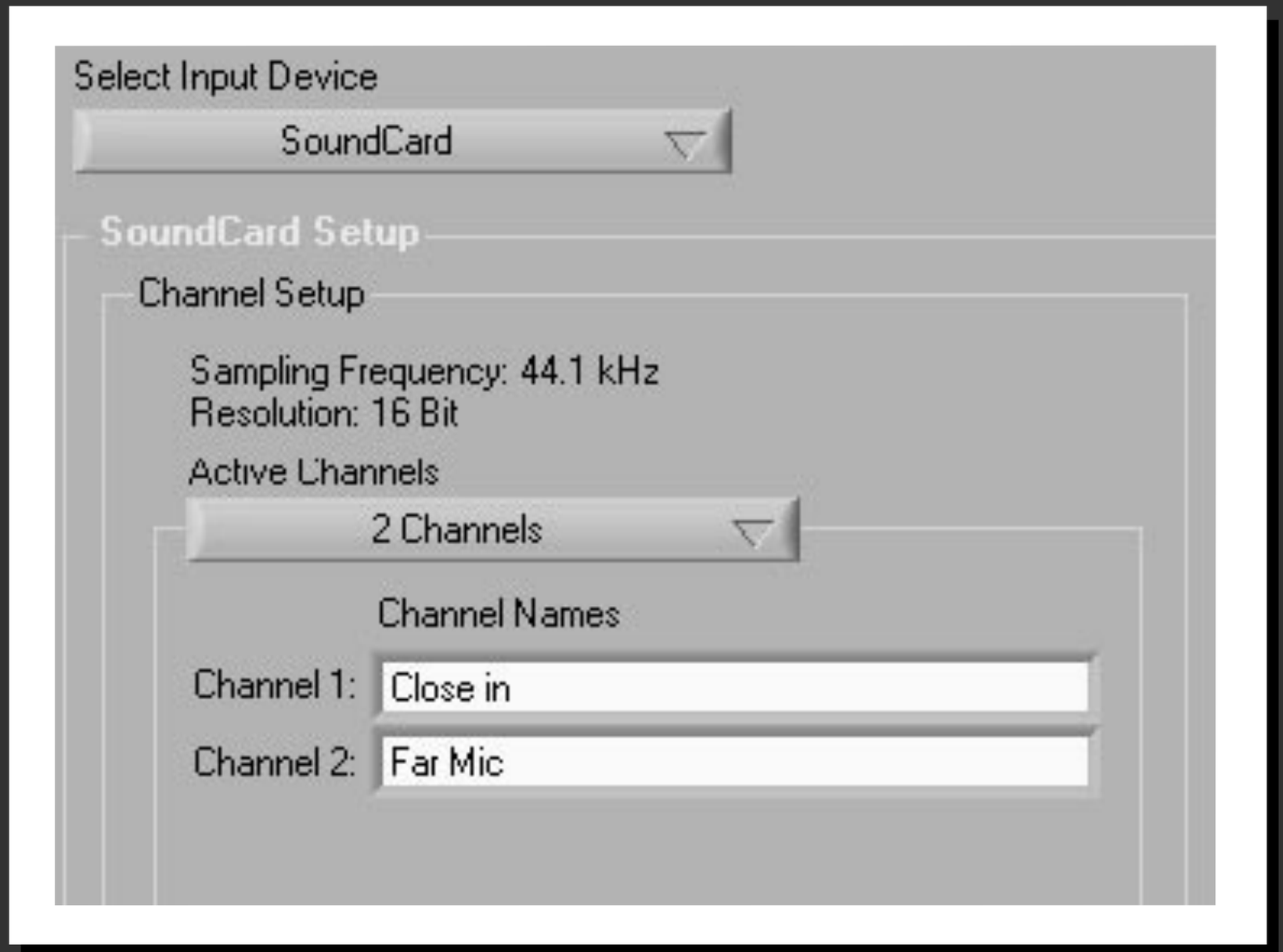
First enter all relevant data . . .



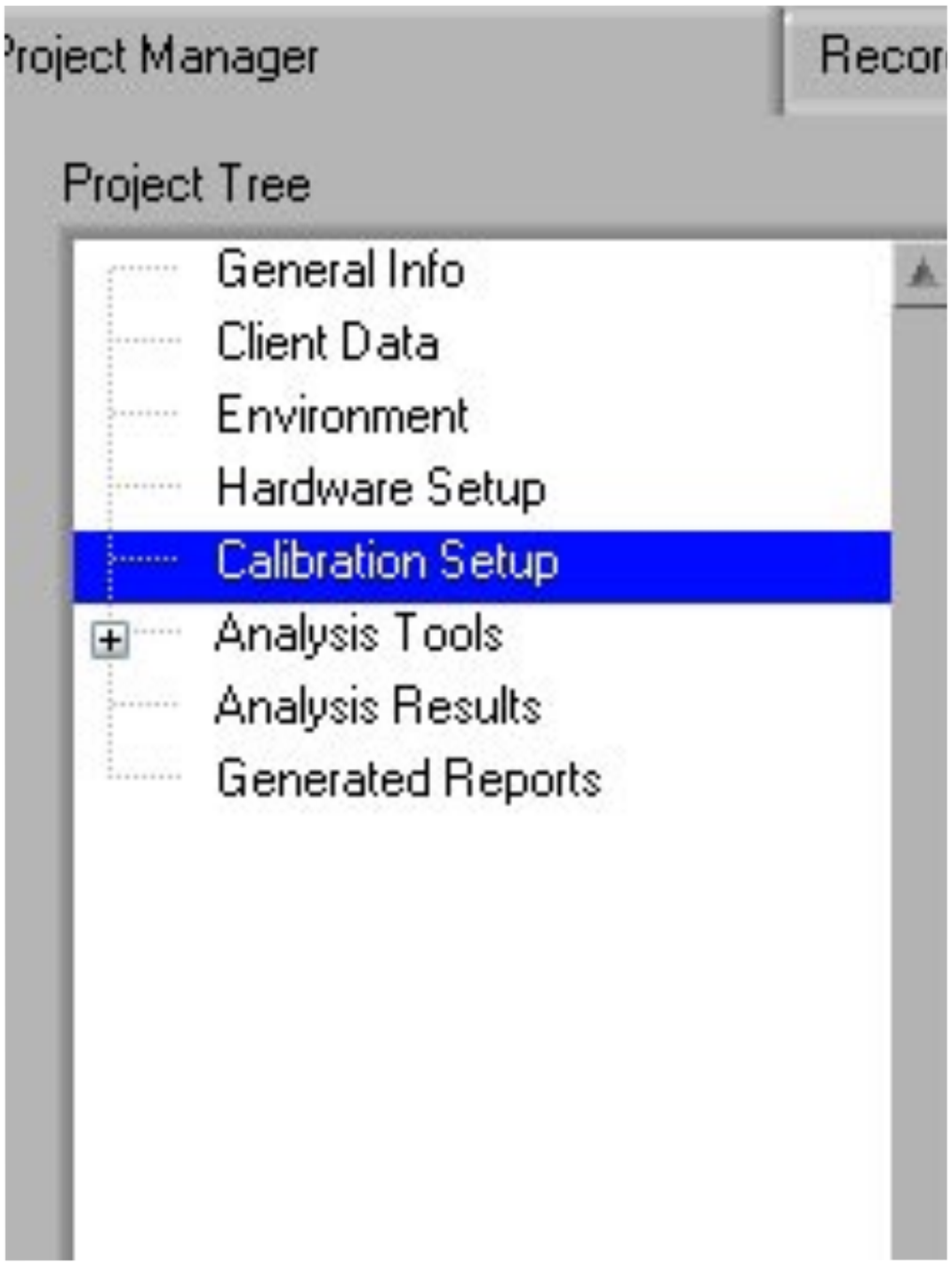
including weather conditions, plus free comment fields



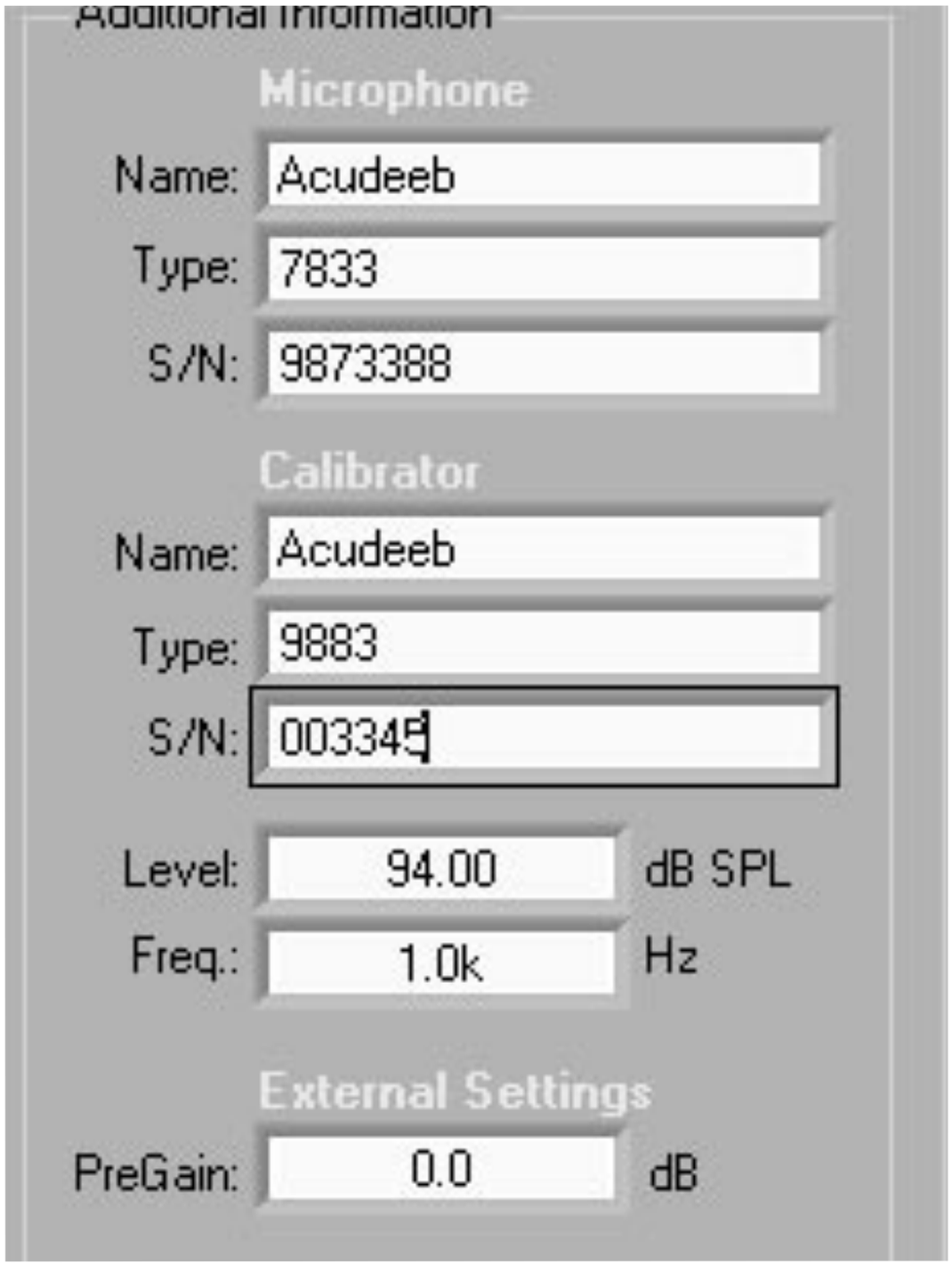
and Digital Photos of the site



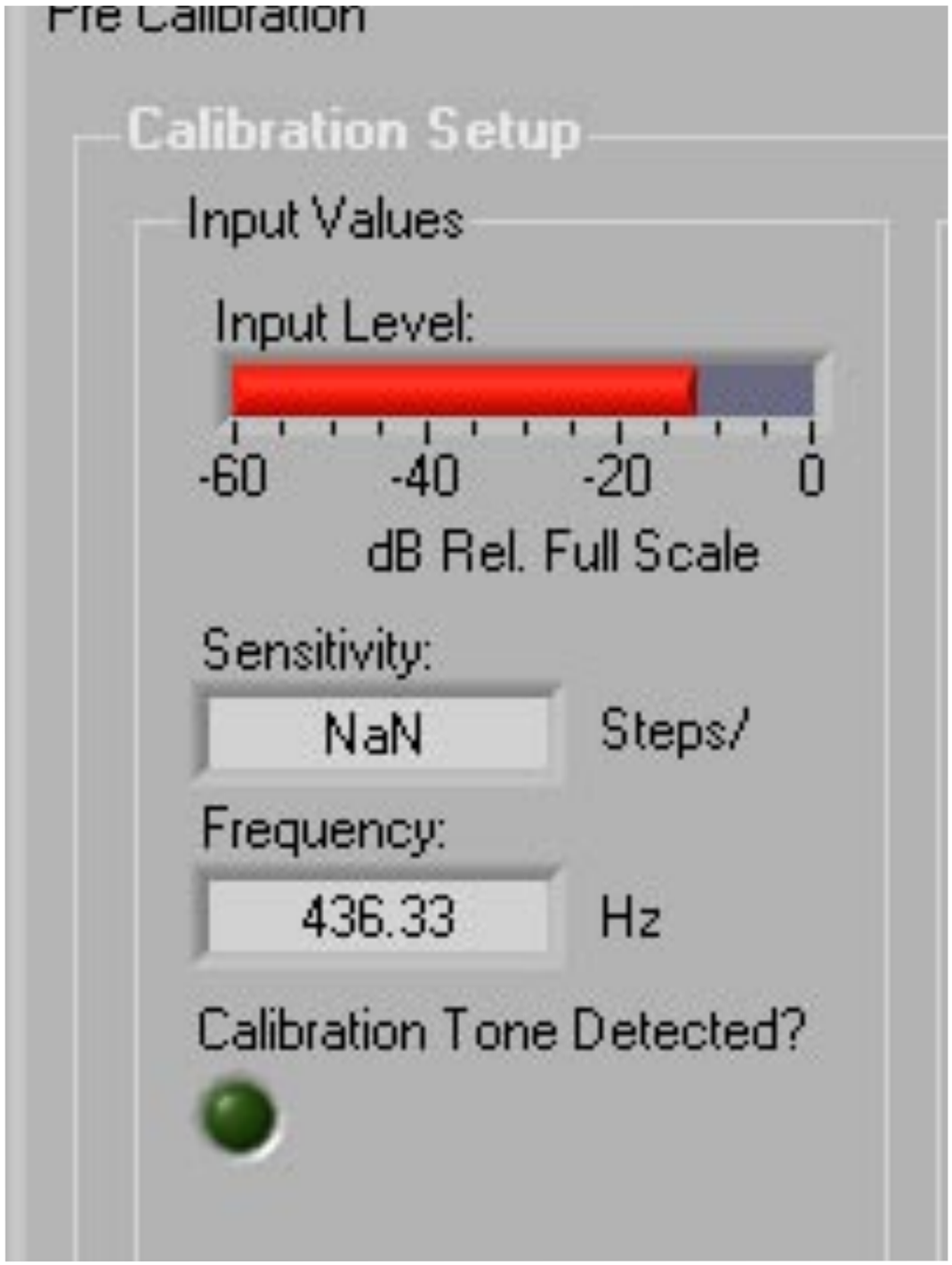
Now you select your hardware and name the Channels



and Select Calibration

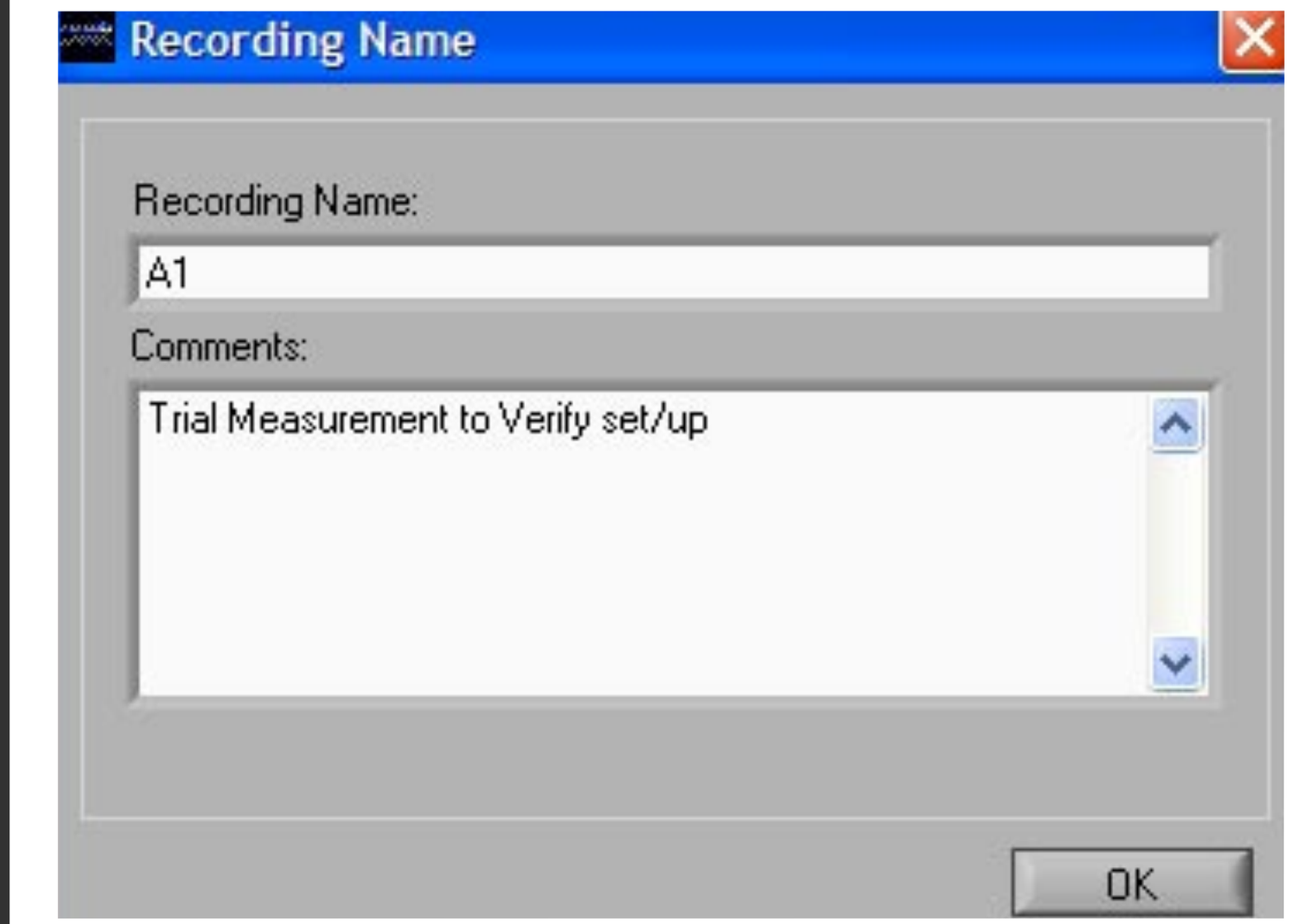


Tell noiseLAB about the microphone and calibrator

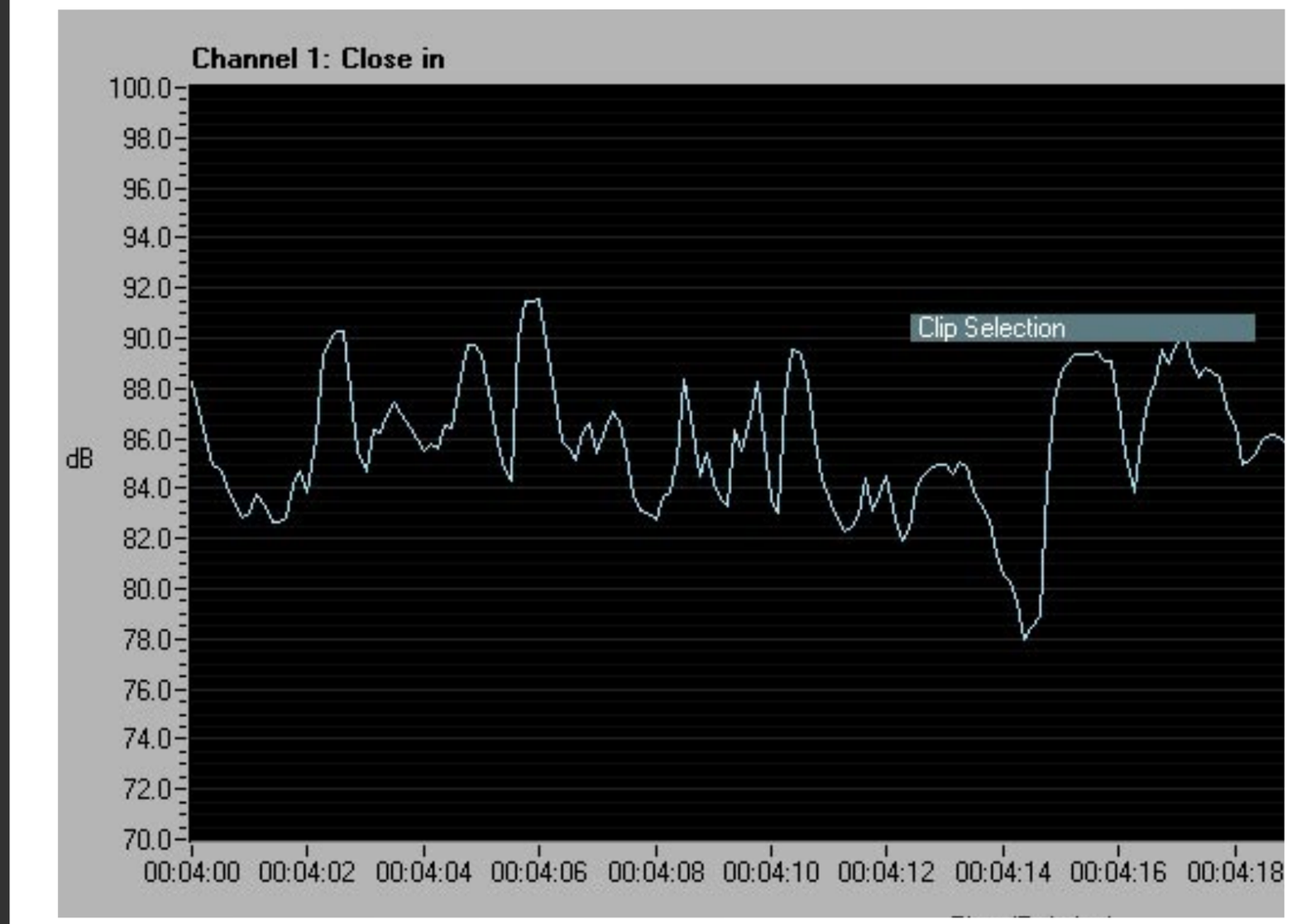


and it will automatically search for and grab the cal tone

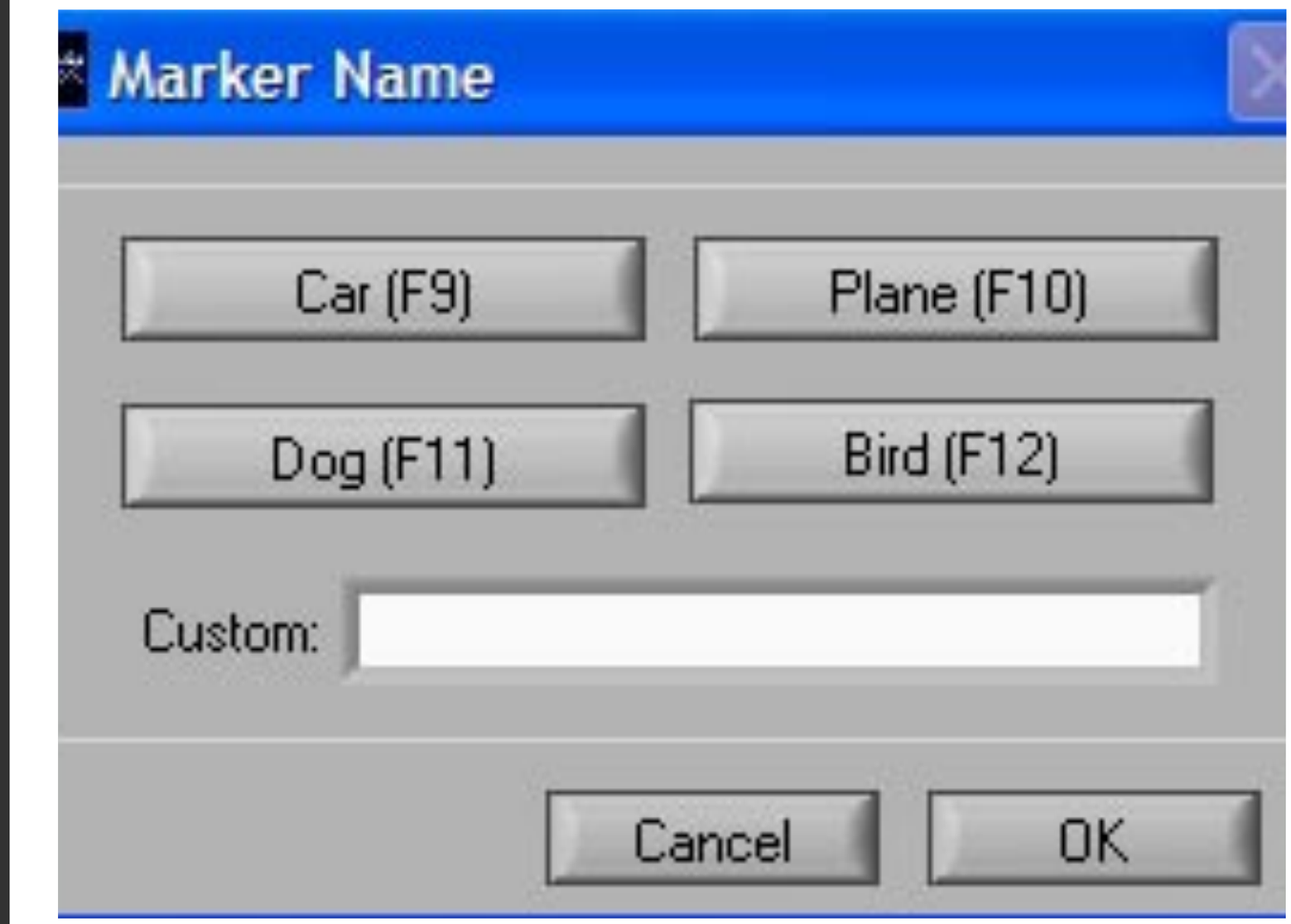
Now on to Phase 2: Recoder



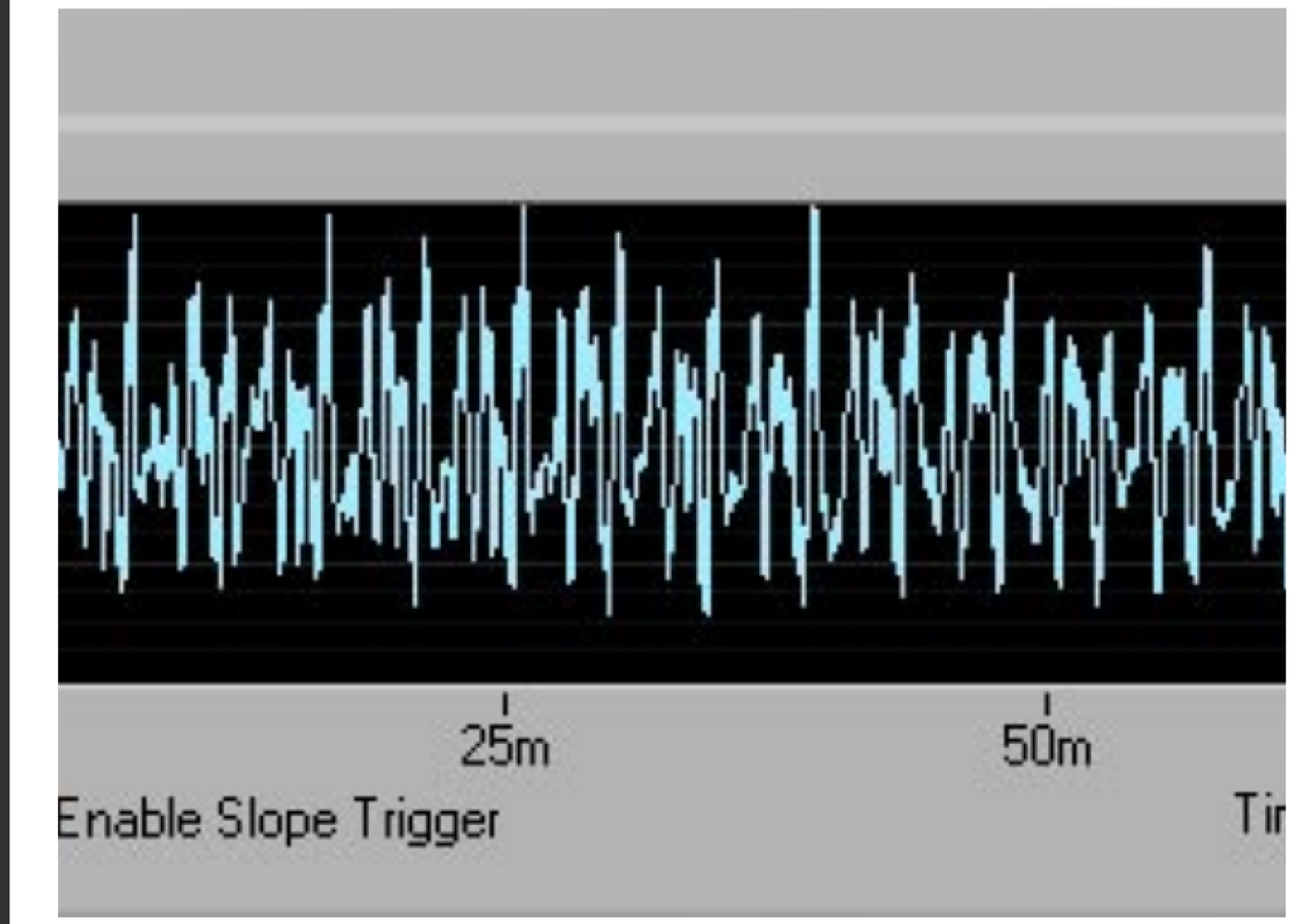
noiseLAB prompts to Name the Recording



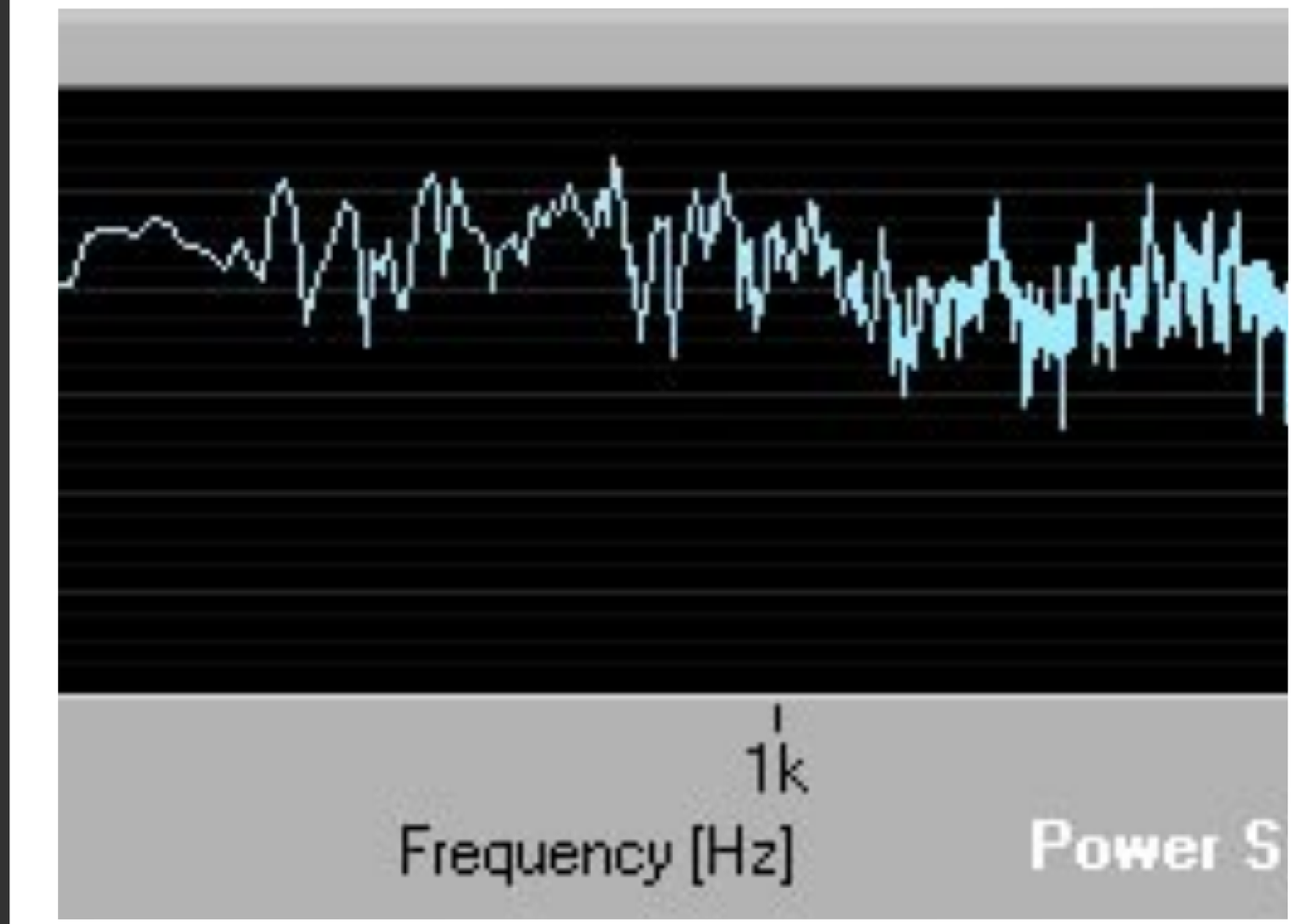
"Click and Drag" to create Clips while recording



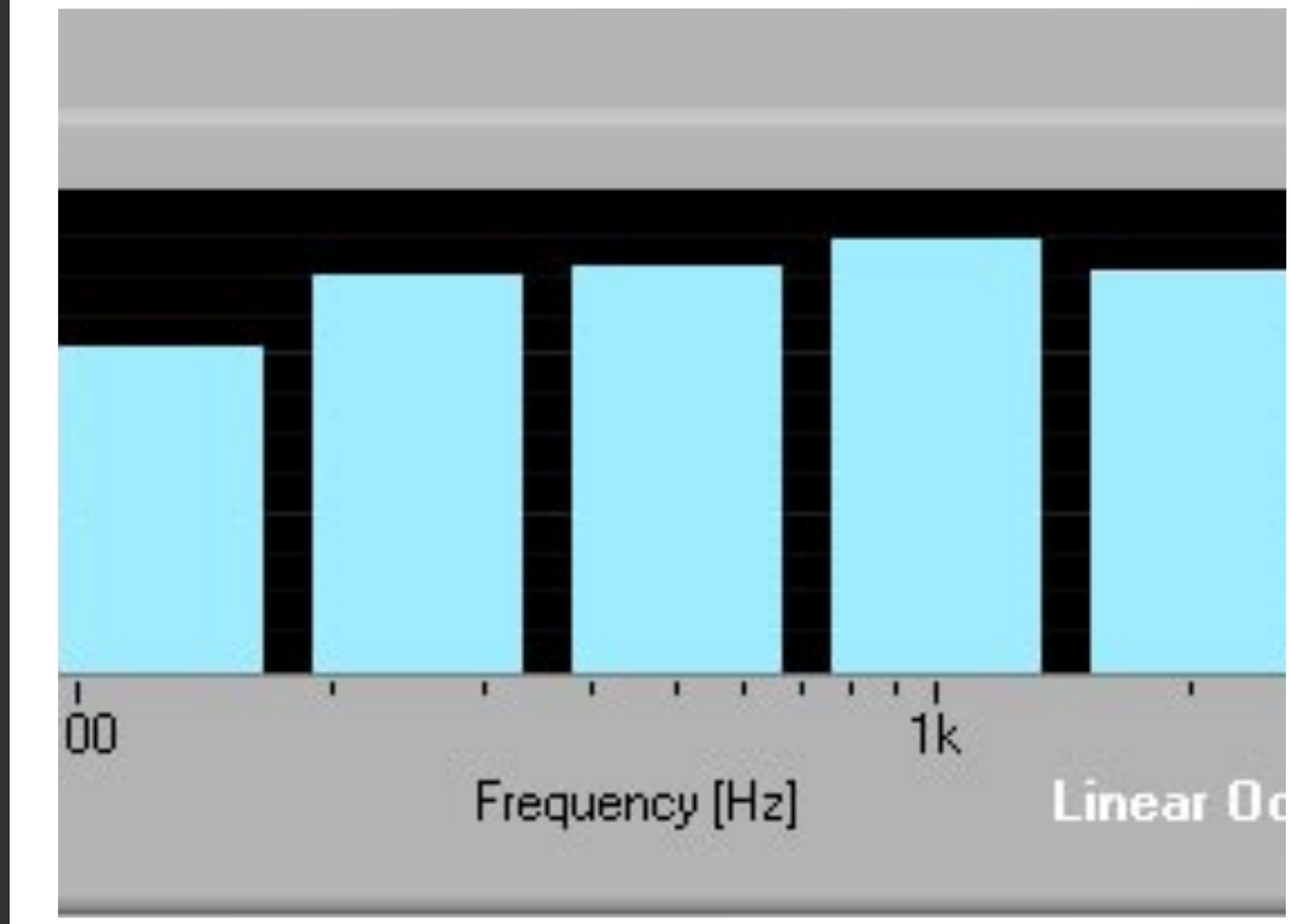
While Recording, Add markers for special events



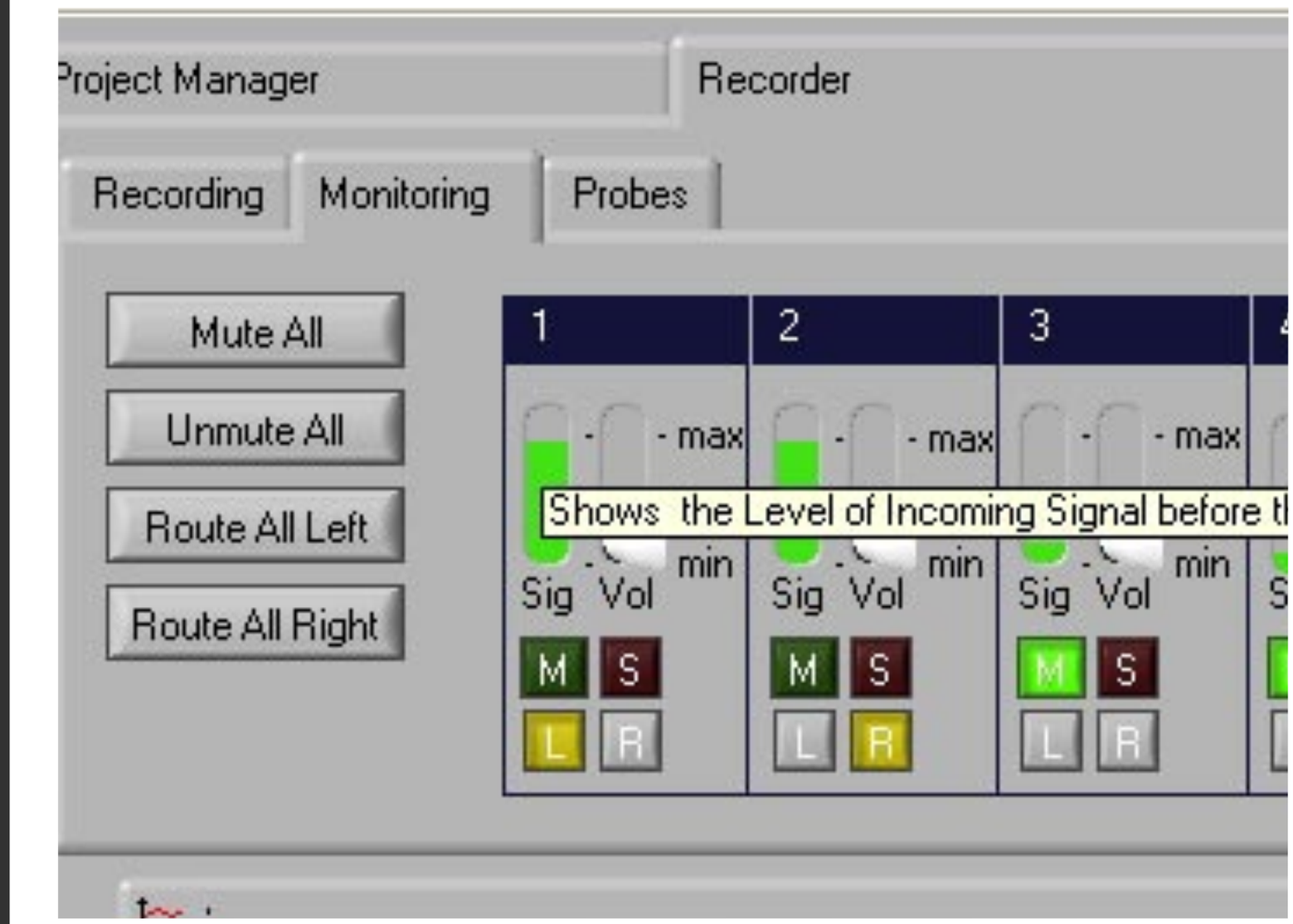
Probe the signal while recording: Oscilloscope



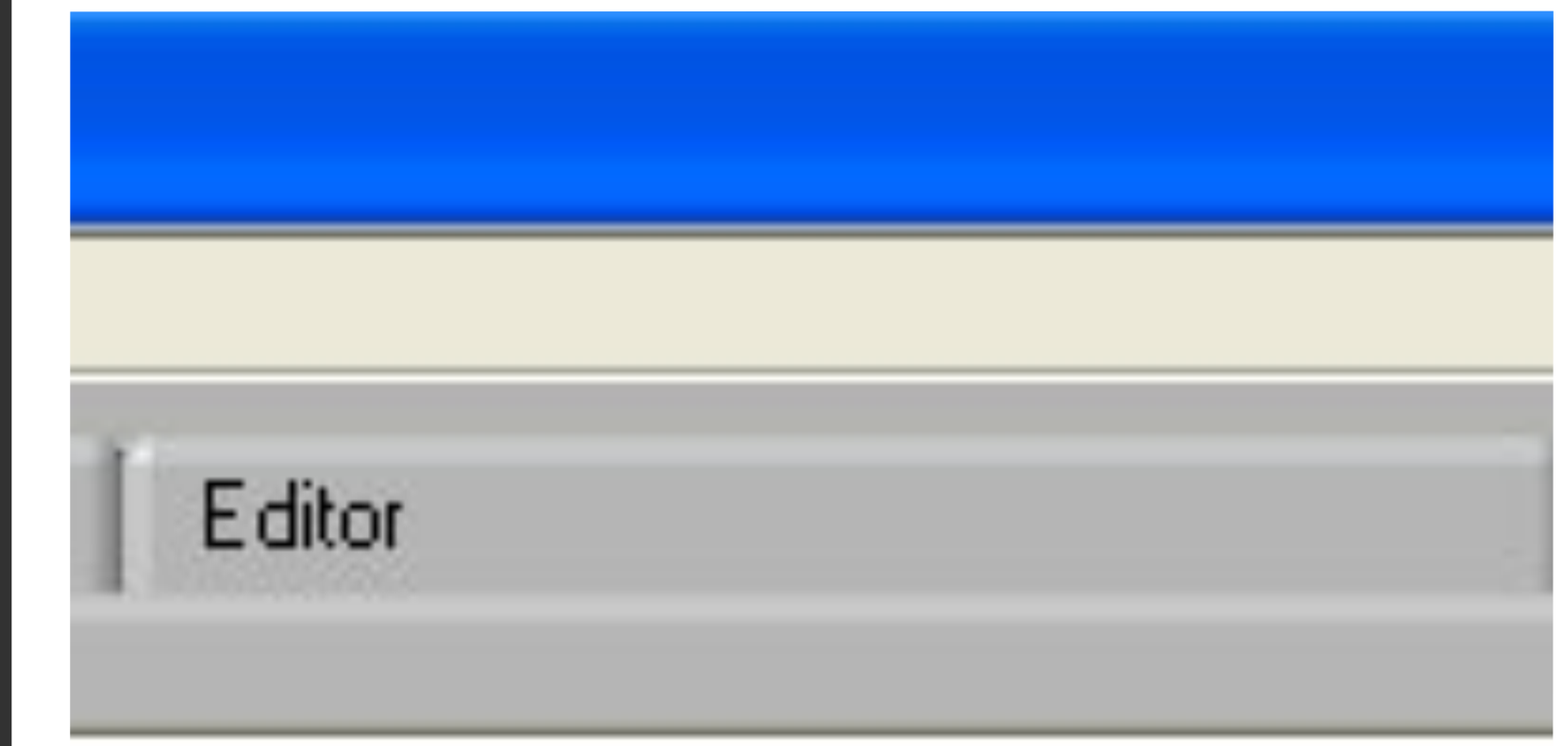
. . . FFT Spectrum Analyzer



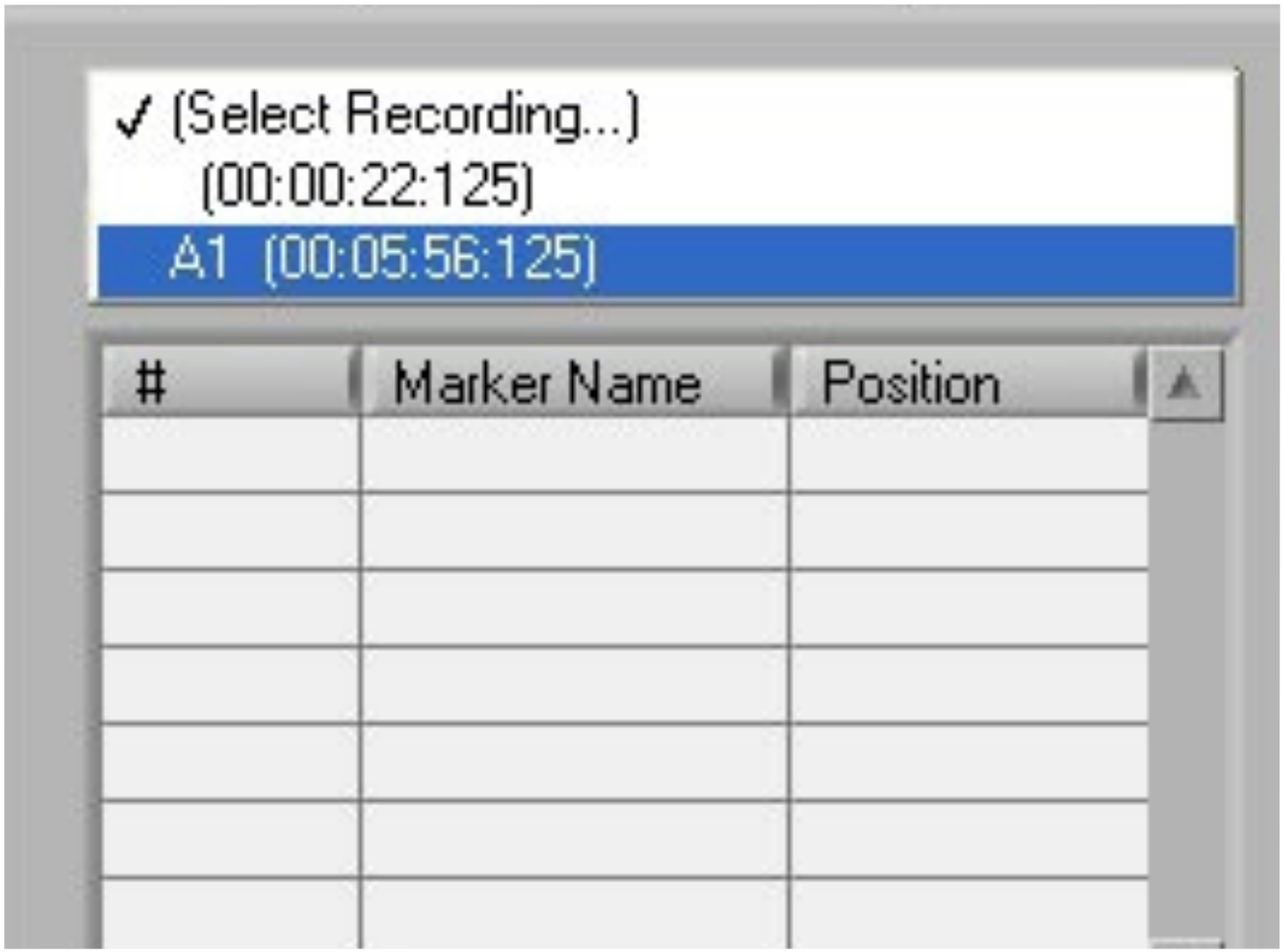
or Octave Analysis . . . all while recording



Listen in headphones via a cool mixing console



Now the 3rd Phase: Editor

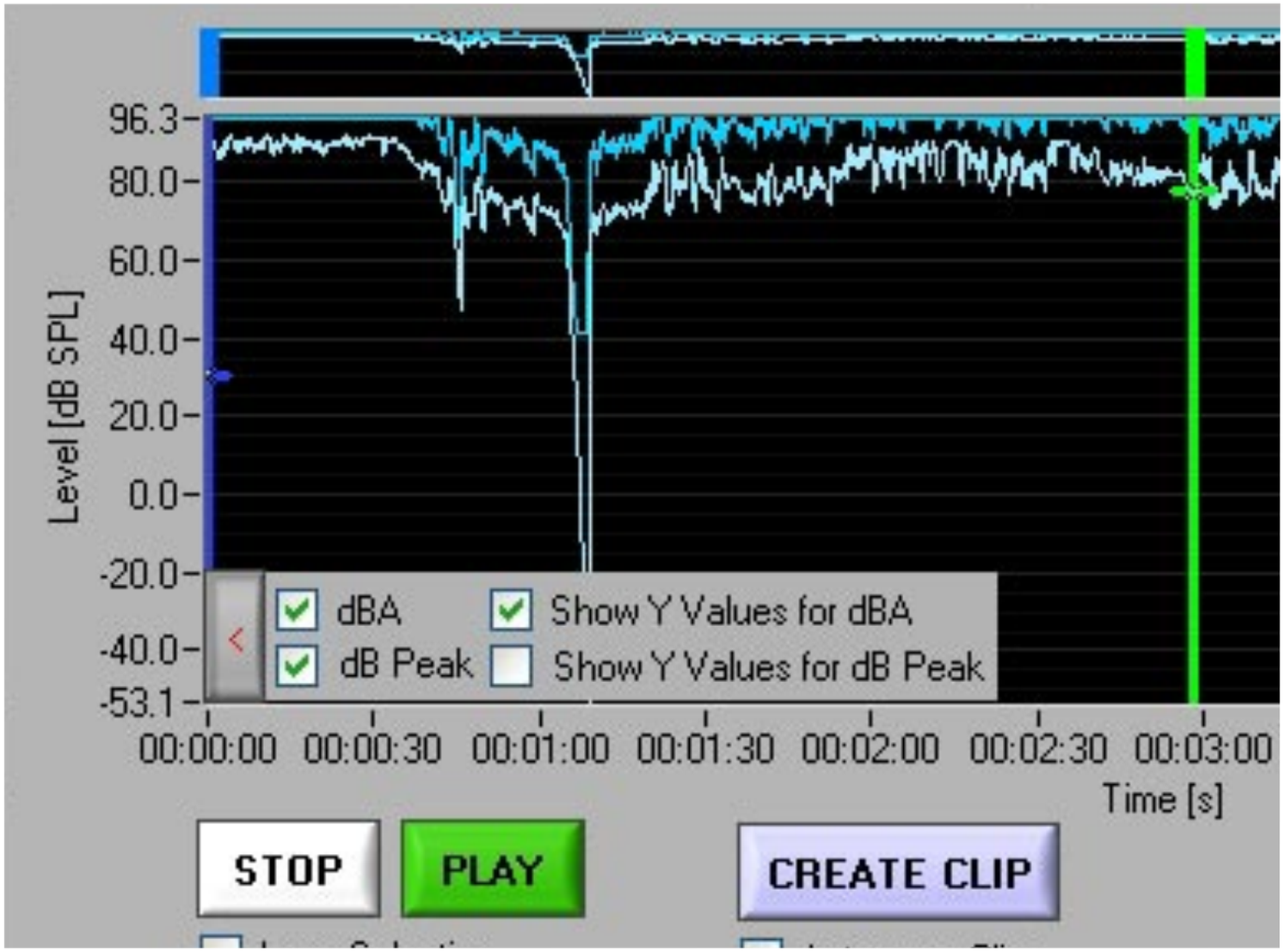


Select your recording

#	Clip Name
000000	A23
000001	A234

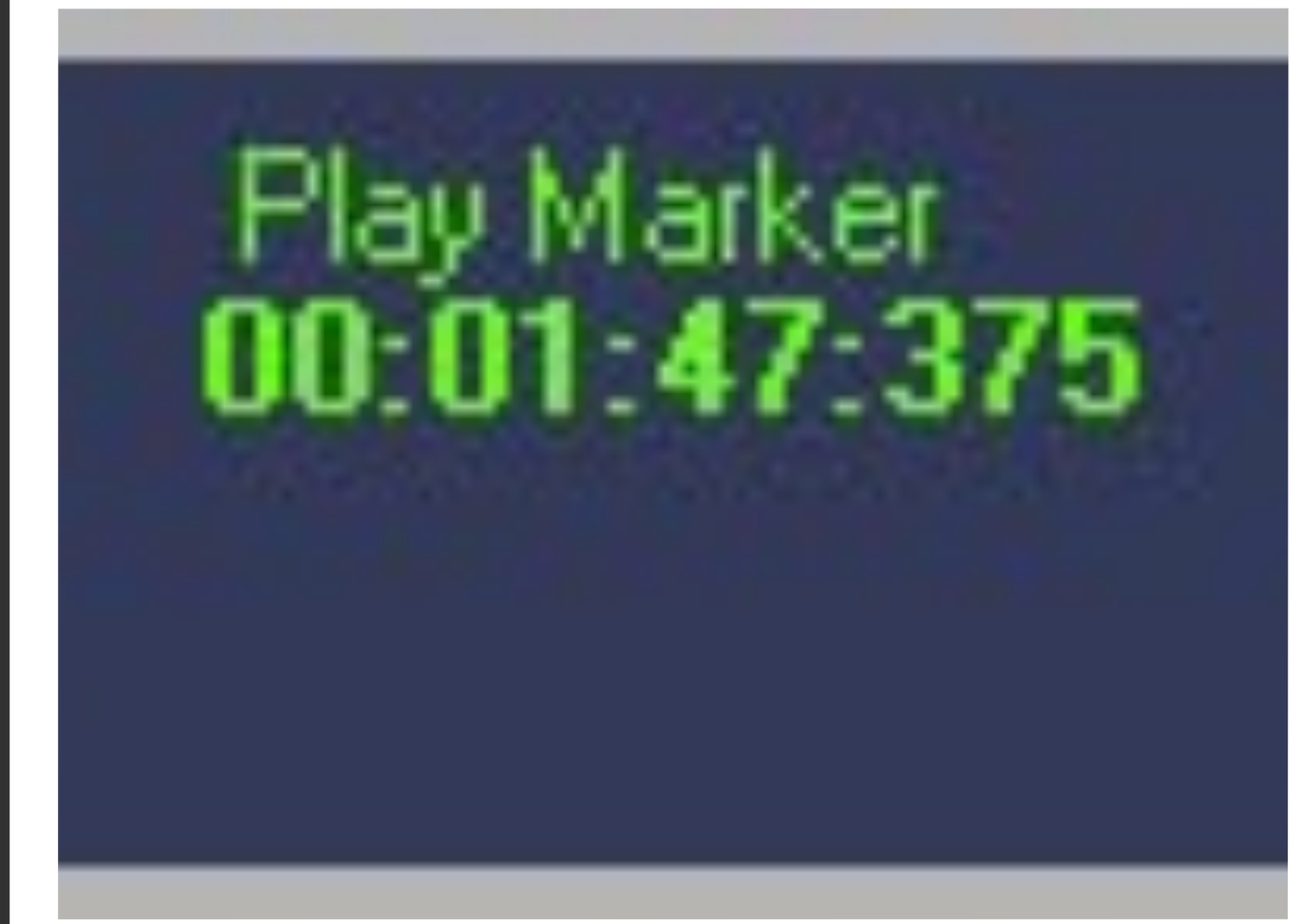
as well as previously created Clips

and note the previously created Marker is there



Choose what you want to see

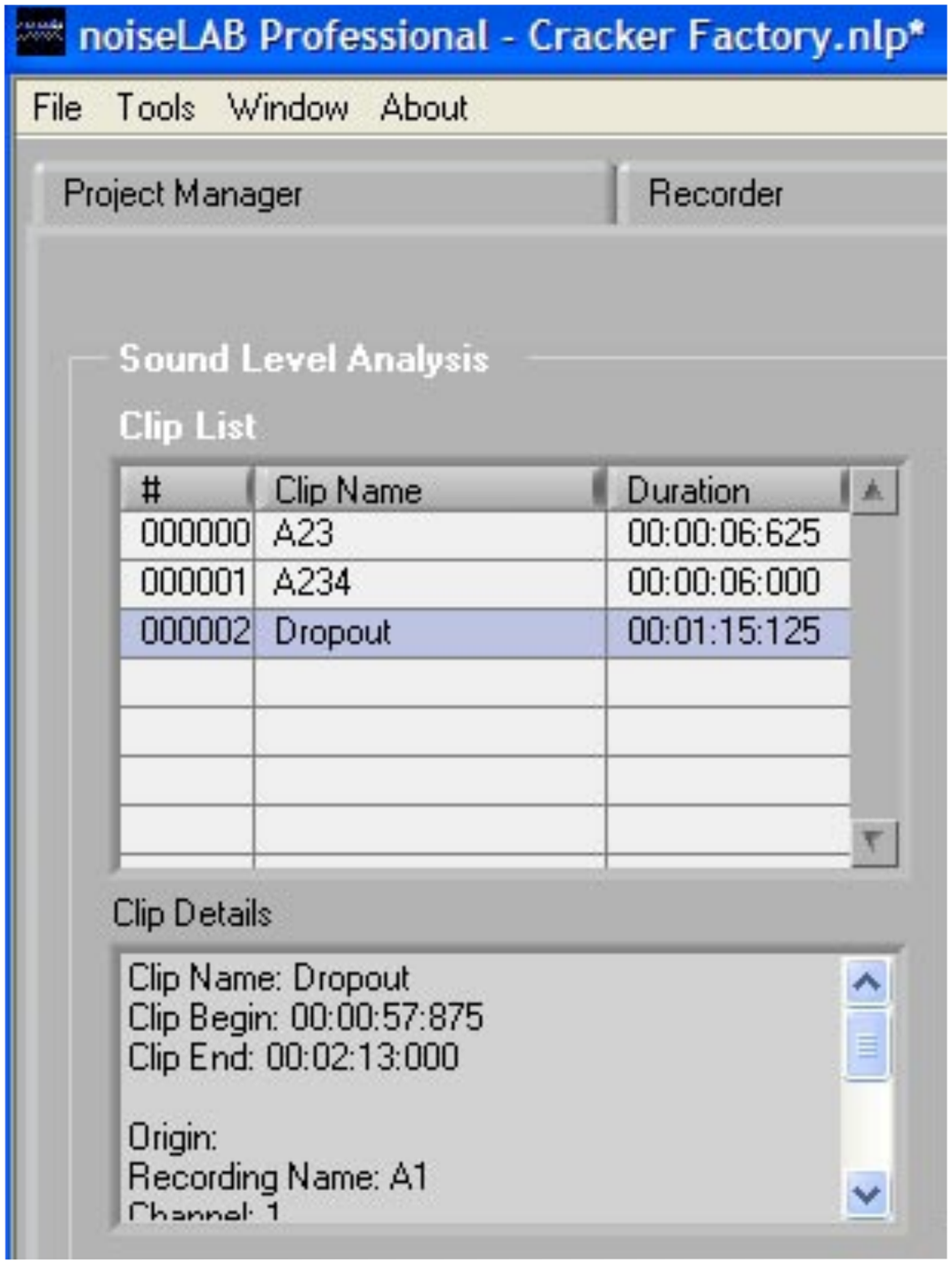
Edit your clips with the Blue Cursors



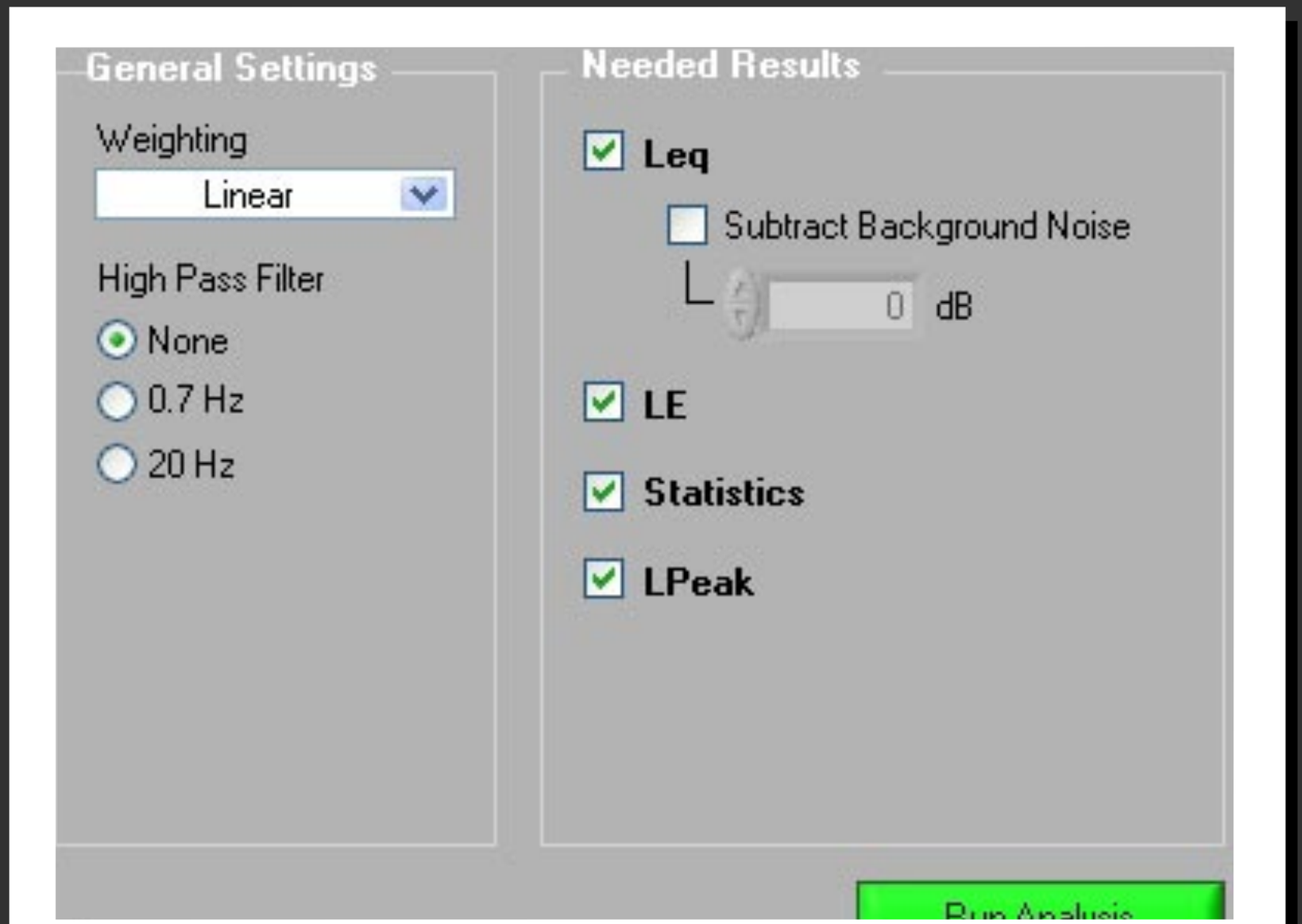
Clearly identified edit positions

and levels of your edit points

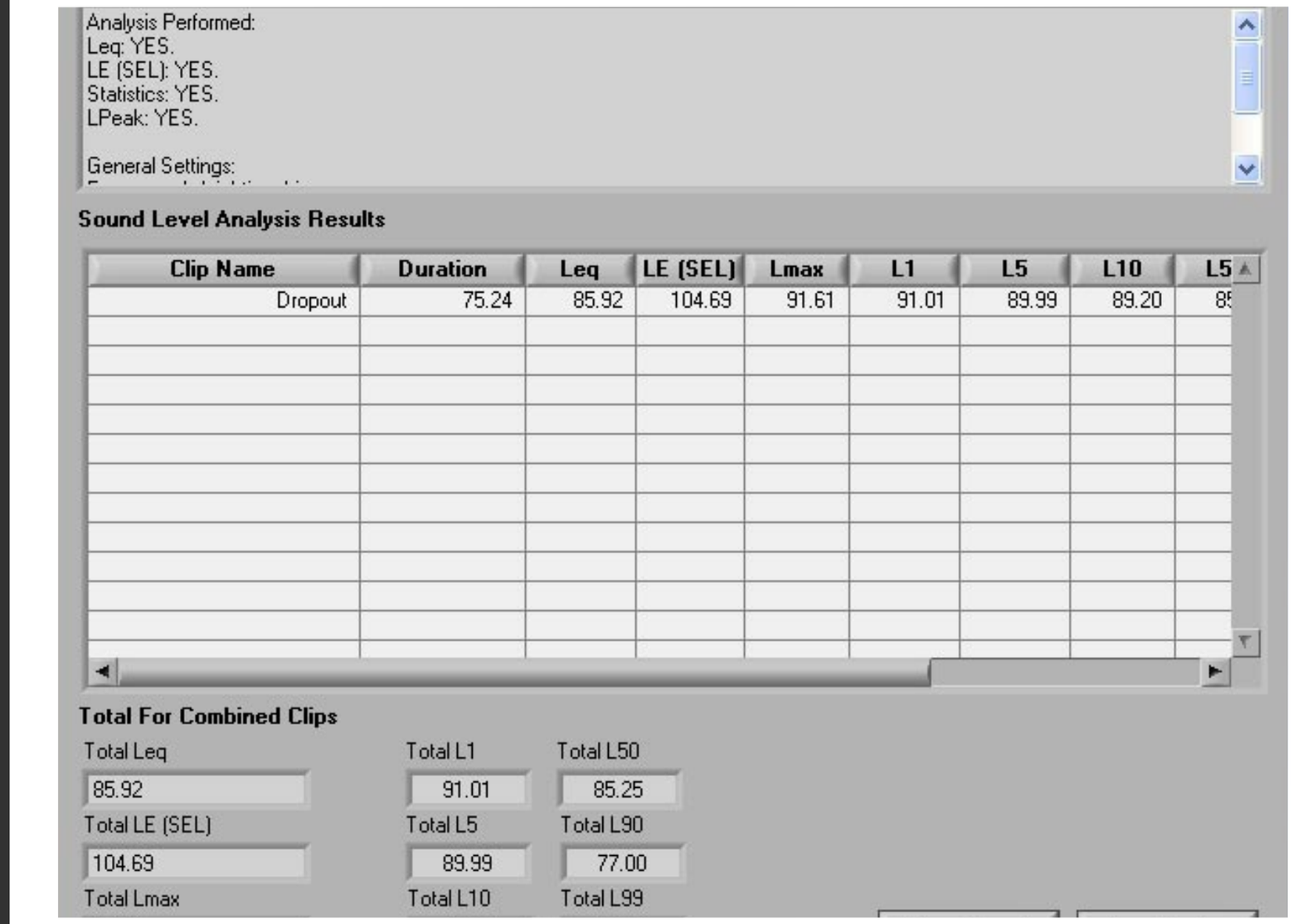
Now the 4th Phase: Analysis



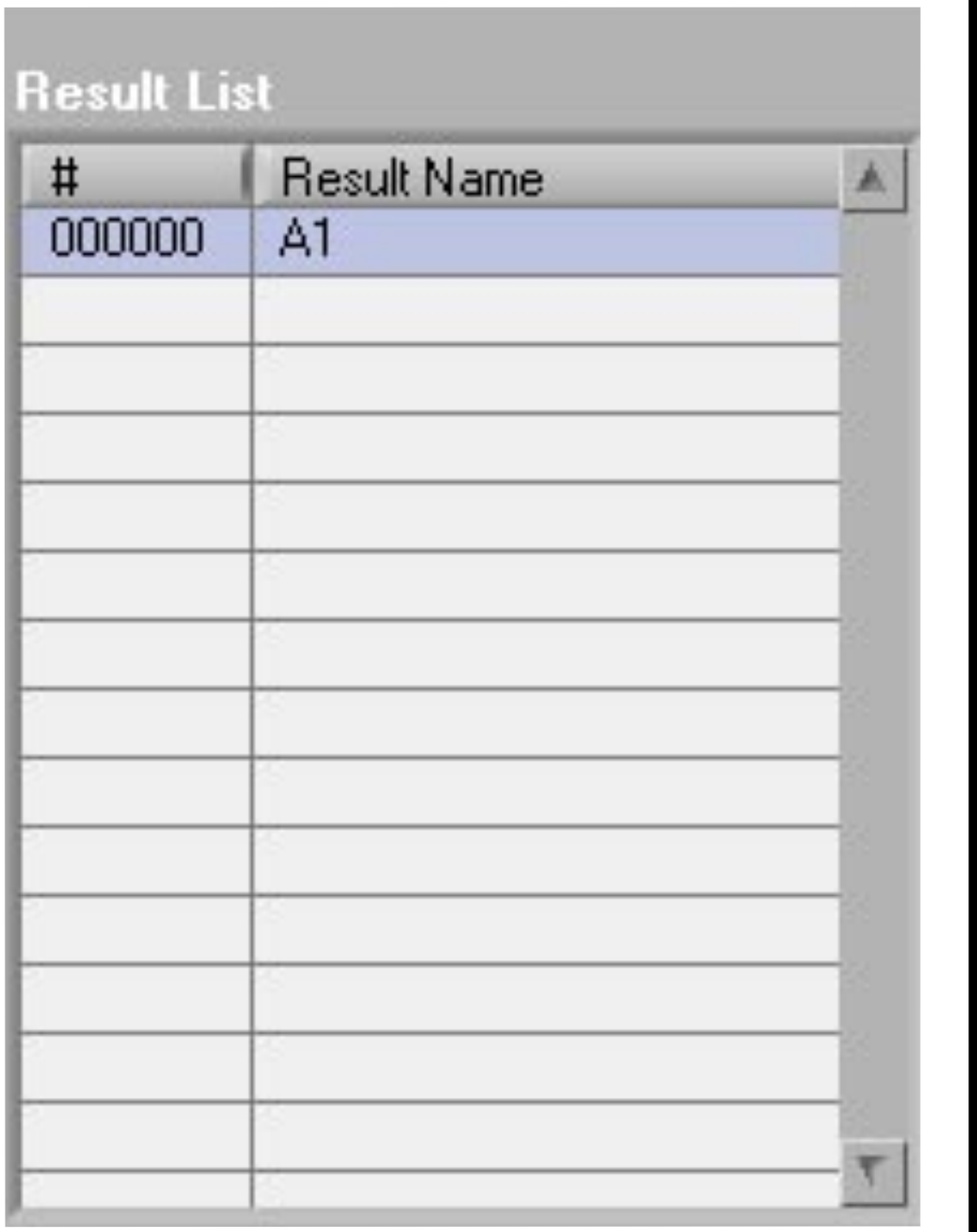
First Select your Clip(s)



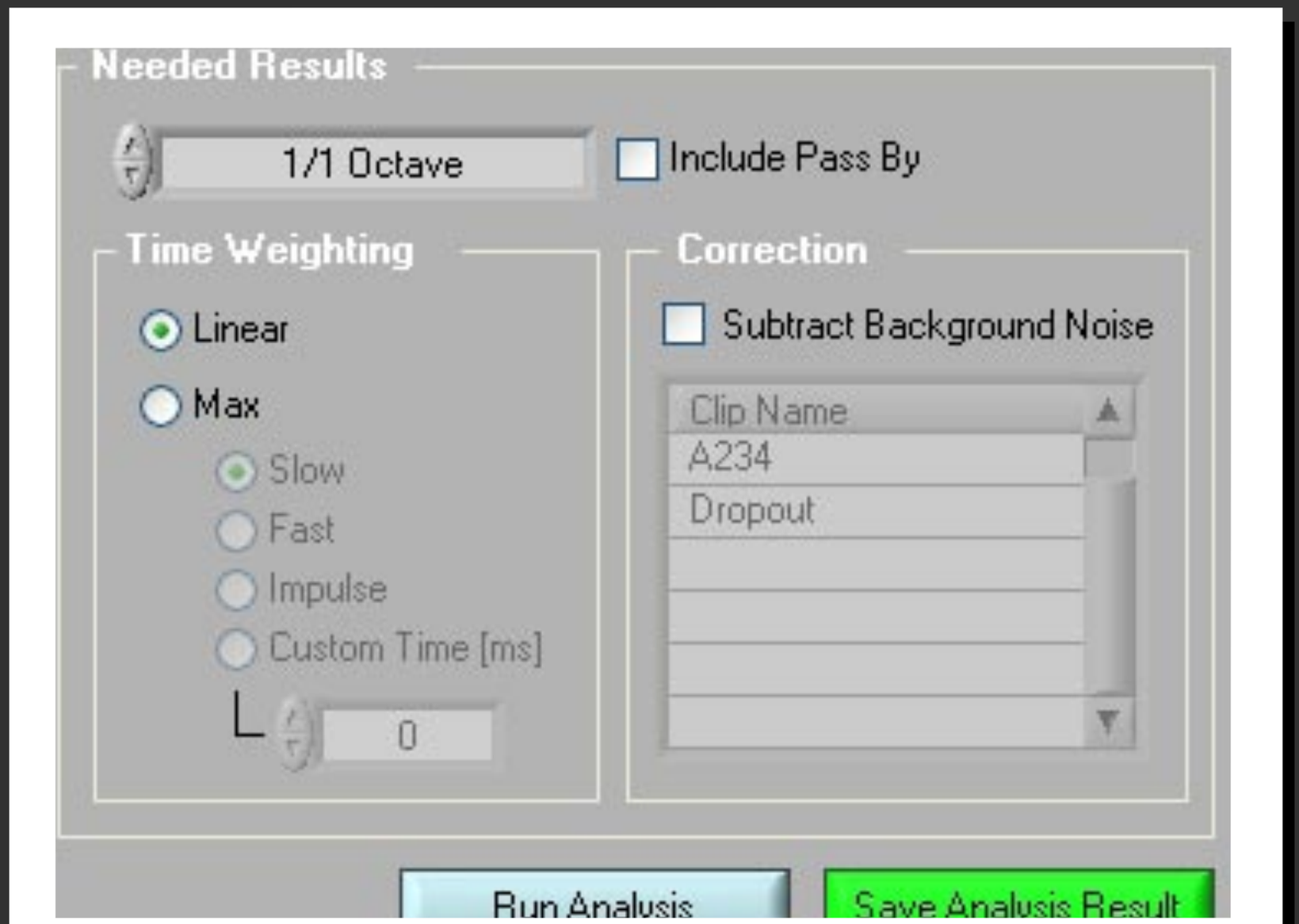
and what you want to measure, and press Run



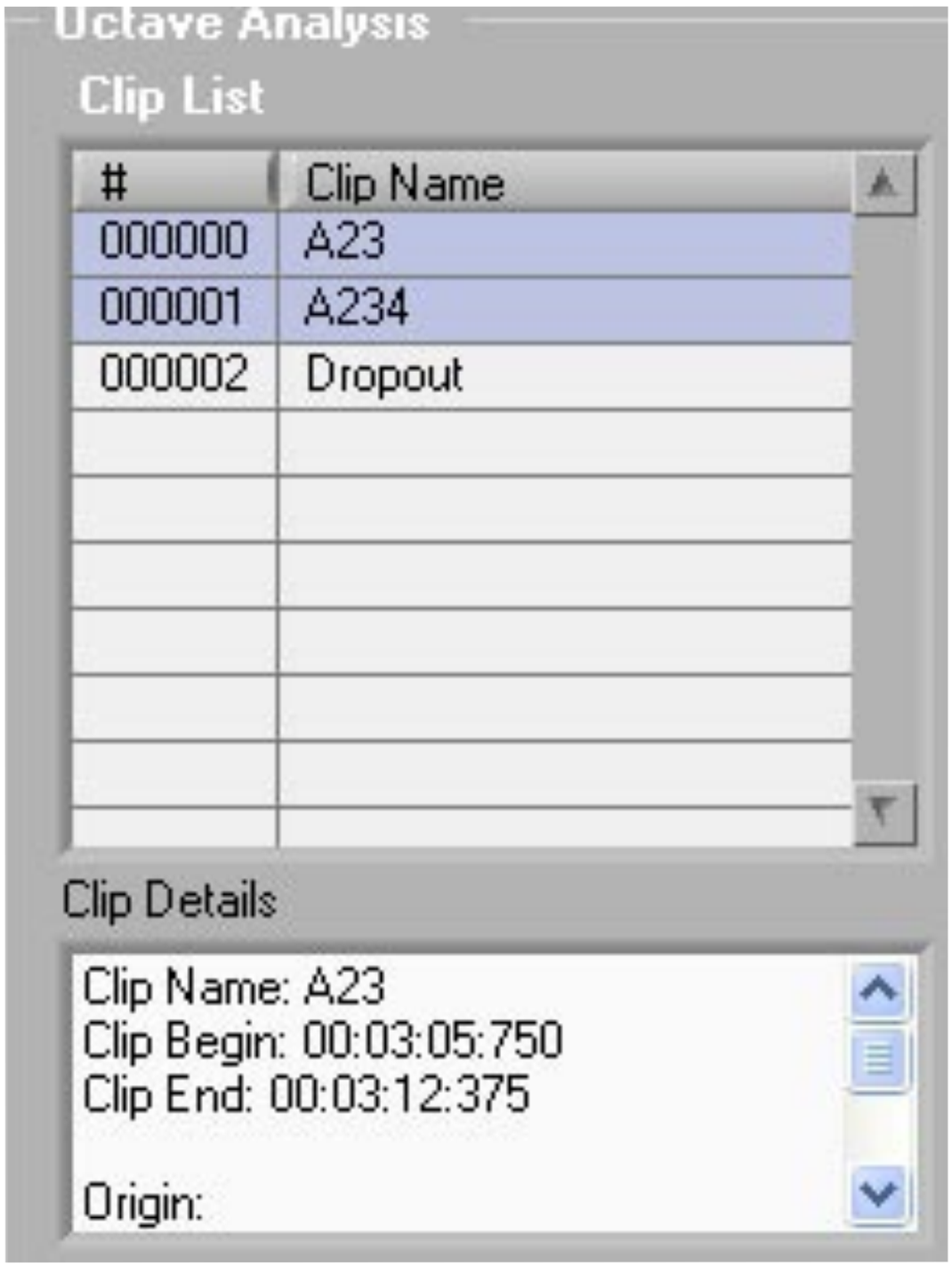
clearly organized results for your Clips: Individual and totals



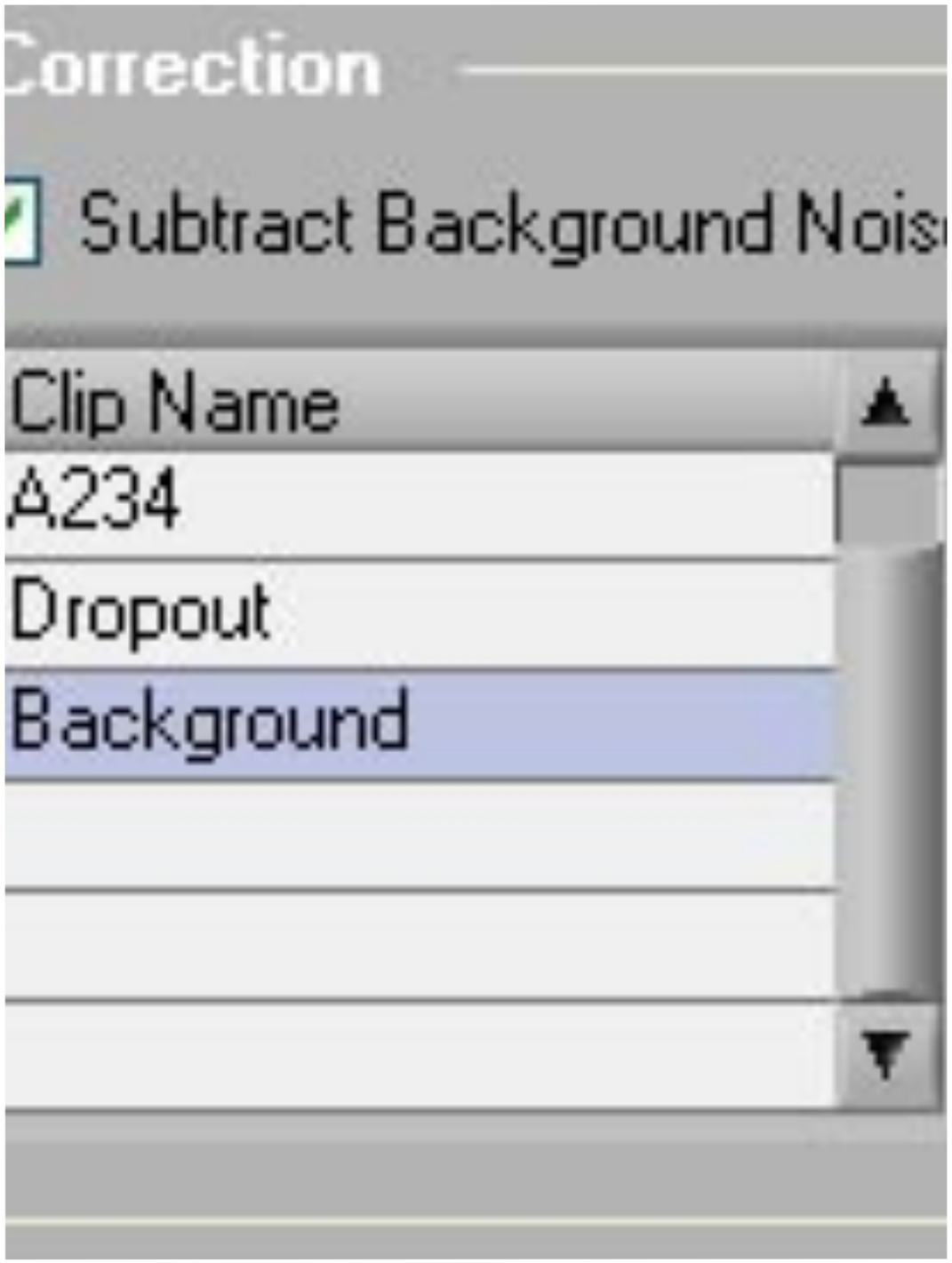
and you save the Results for later use



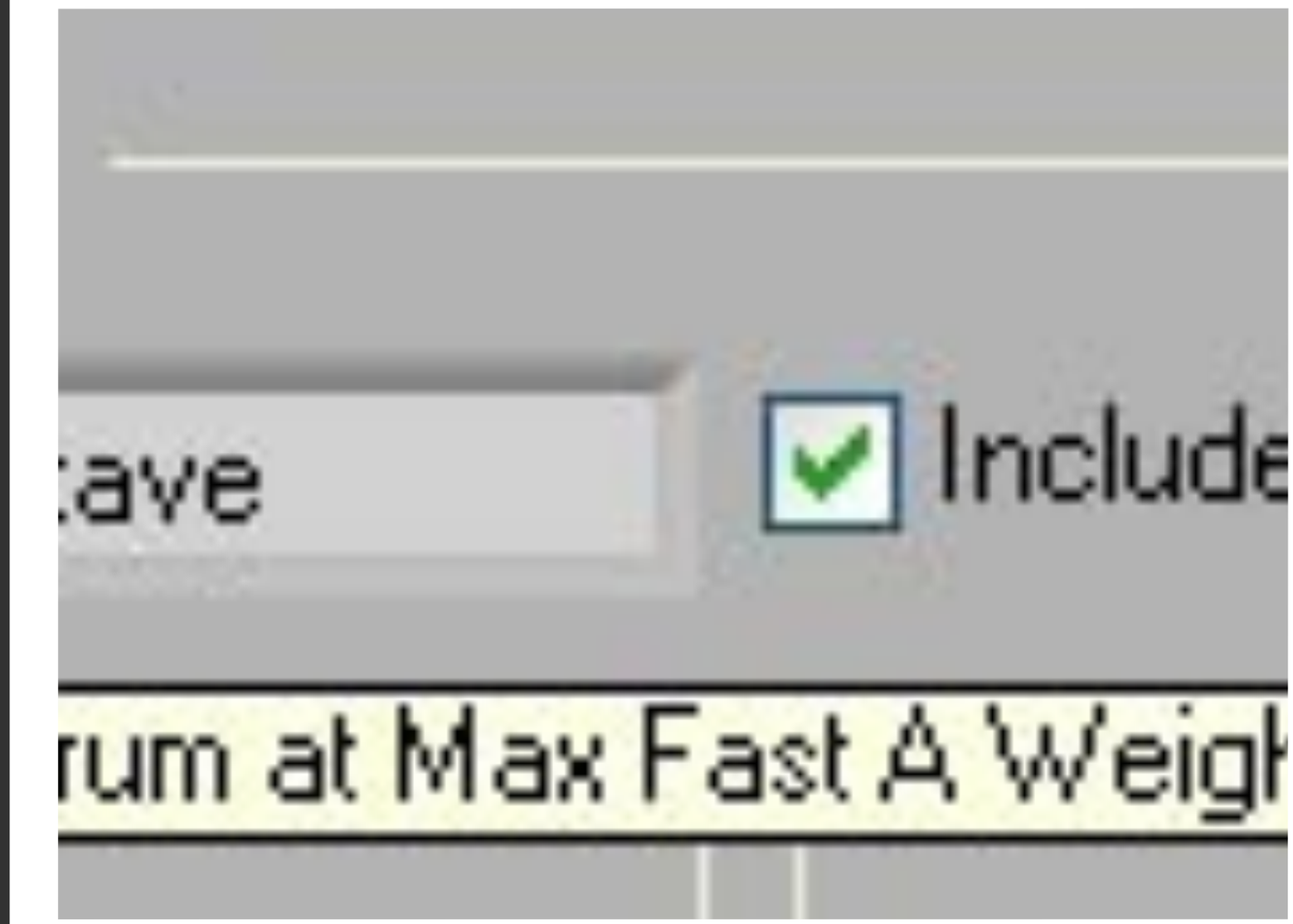
Note the few settings for Octave analysis



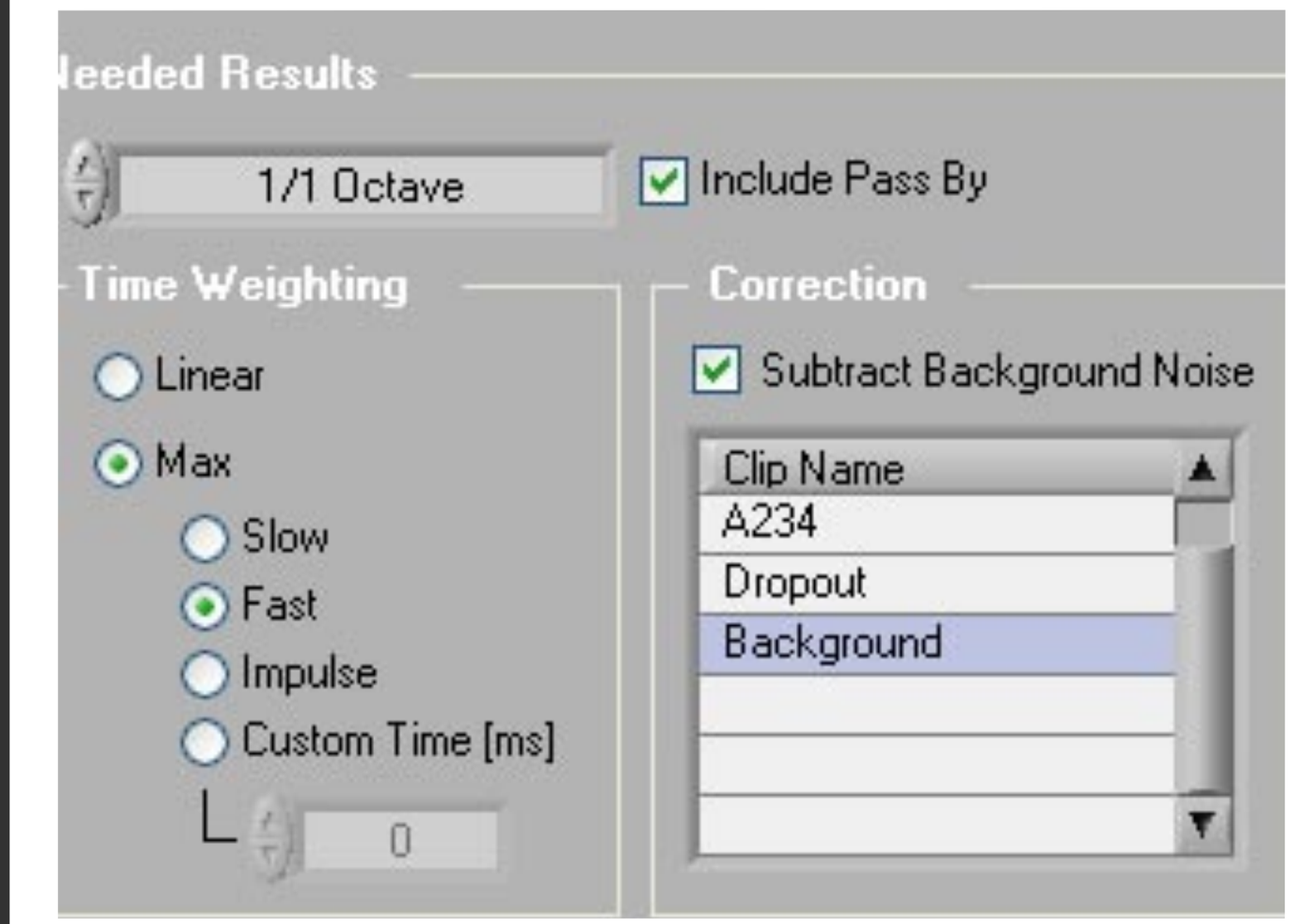
Select up to two clips



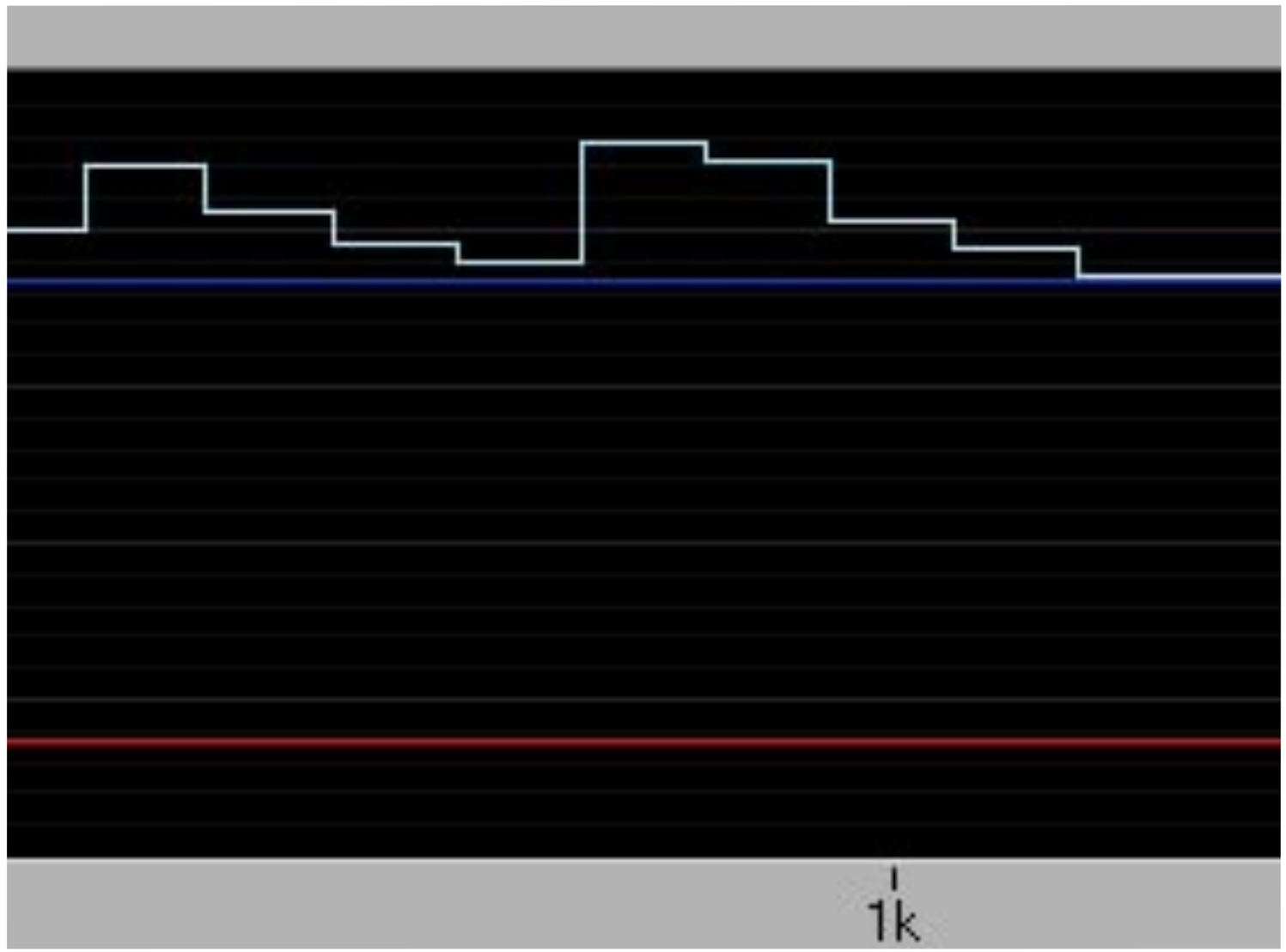
Use a pre-recorded Clip as Background noise correction



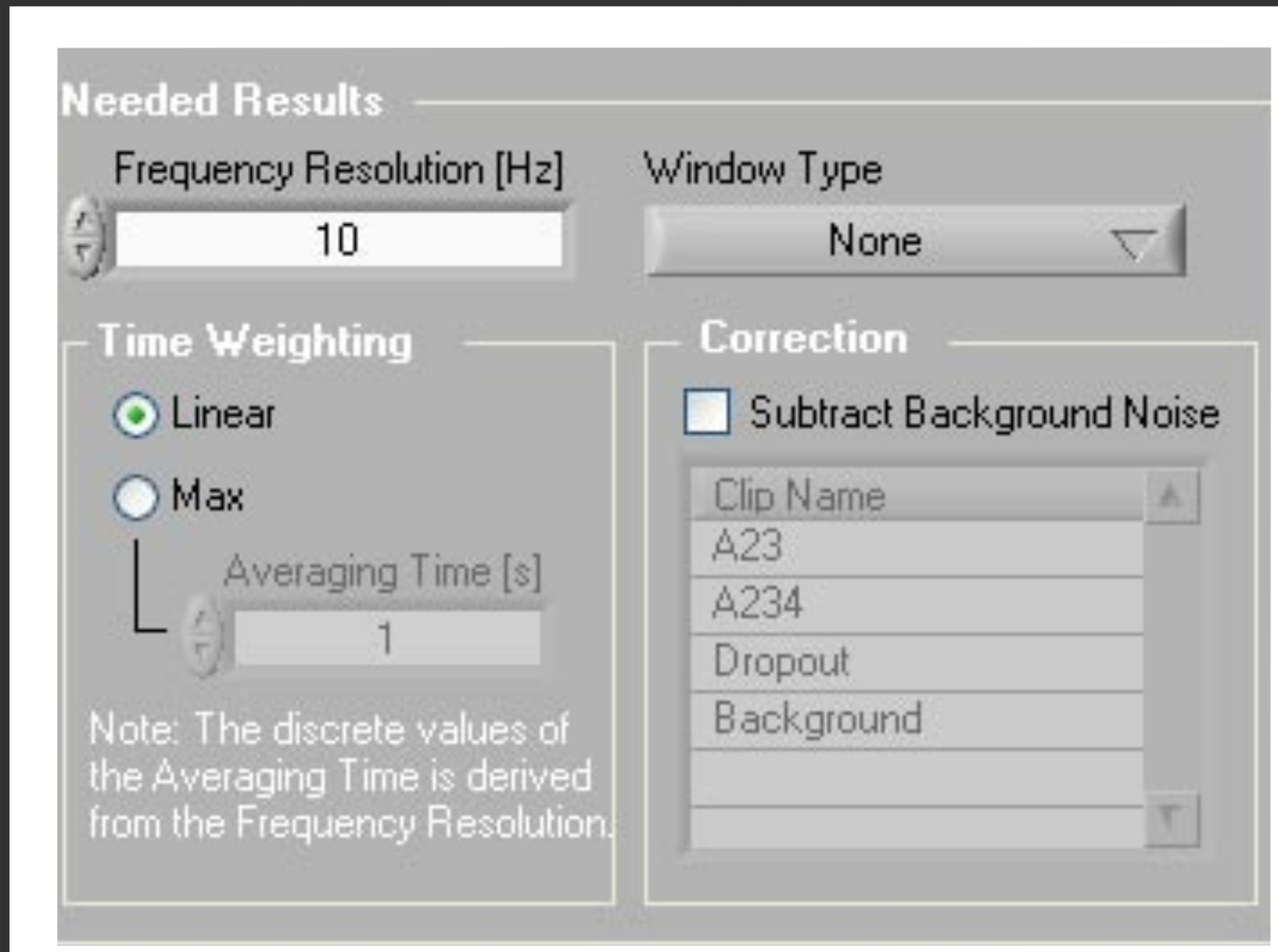
Find the spectrum at Maximum Sound Level



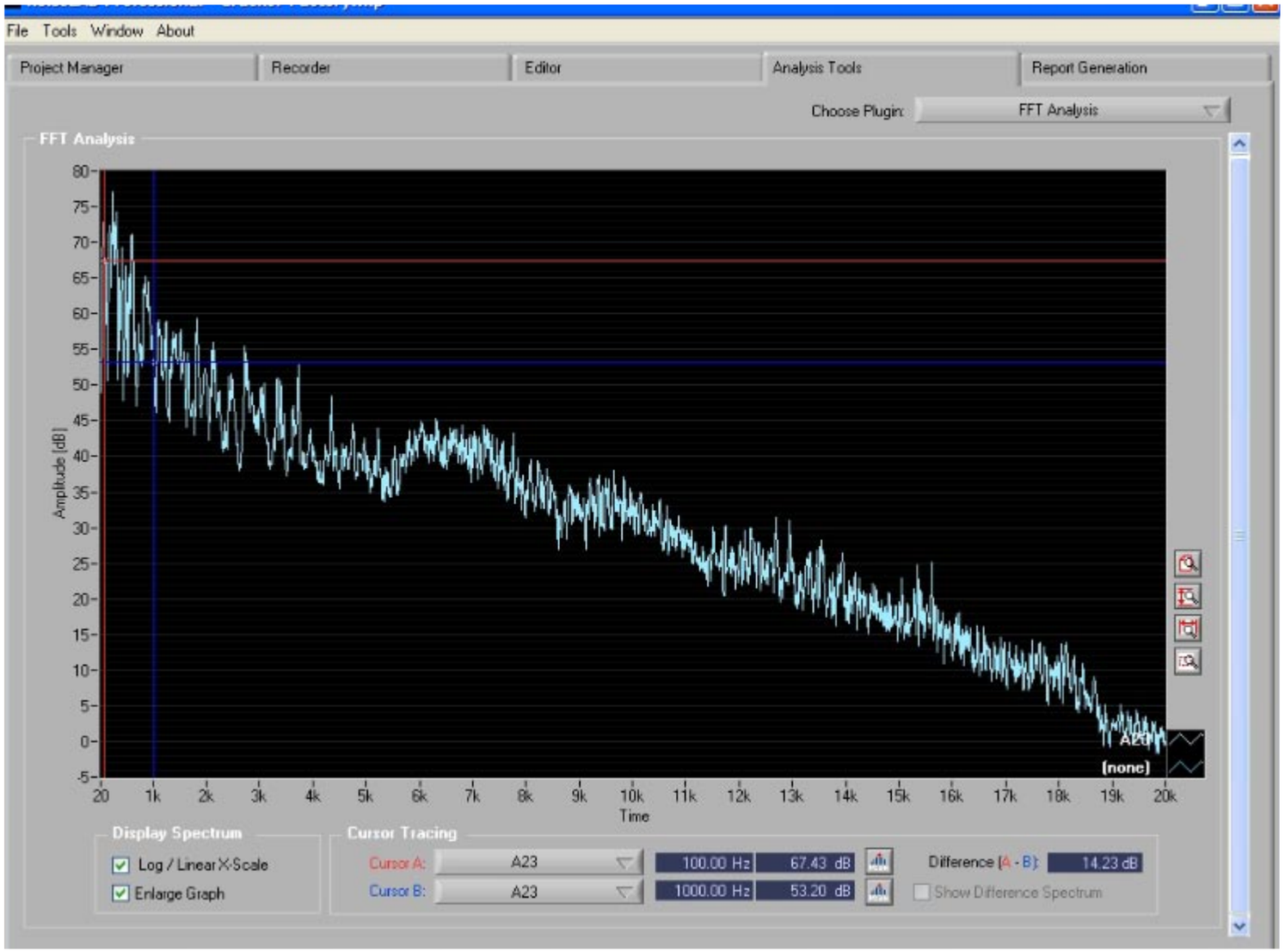
Complex measurements, few clicks



and fully documented results: Yes all the Meta data tags along



Simplicity for FFT Analysis



and quick results

Finally the 5th Phase: Report Generation

Clip Name	Soundcard	Input Units	Sample Rate	Bit Range	Available Channels
Dropout	SoundCard	Bit	44.1 kHz	16 bit	2

Table 4: Hardware information

Clip Name	Calibration Type	Calibration Time	Additional Information
Dropout	Post	14 September 2004 @ 14.30	If it is Pre, the clip name used for calib should be written here.

Table 5: General calibration information

Clip Name	Microphone Name	Microphone Type	Microphone S/N
Dropout	Mic Name	MicType	Mic S/N

Table 6: Calibration microphone information

Clip Name	Calibrator Name	Calibrator Type	Calibrator S/N	Calibrator Level [dB SPL]	Calibrator Frequency [Hz]
Dropout	Calibrator Name	Calibrator Type	Calibrator S/N	90.00	1000.00

Table 7: Calibration calibrator information

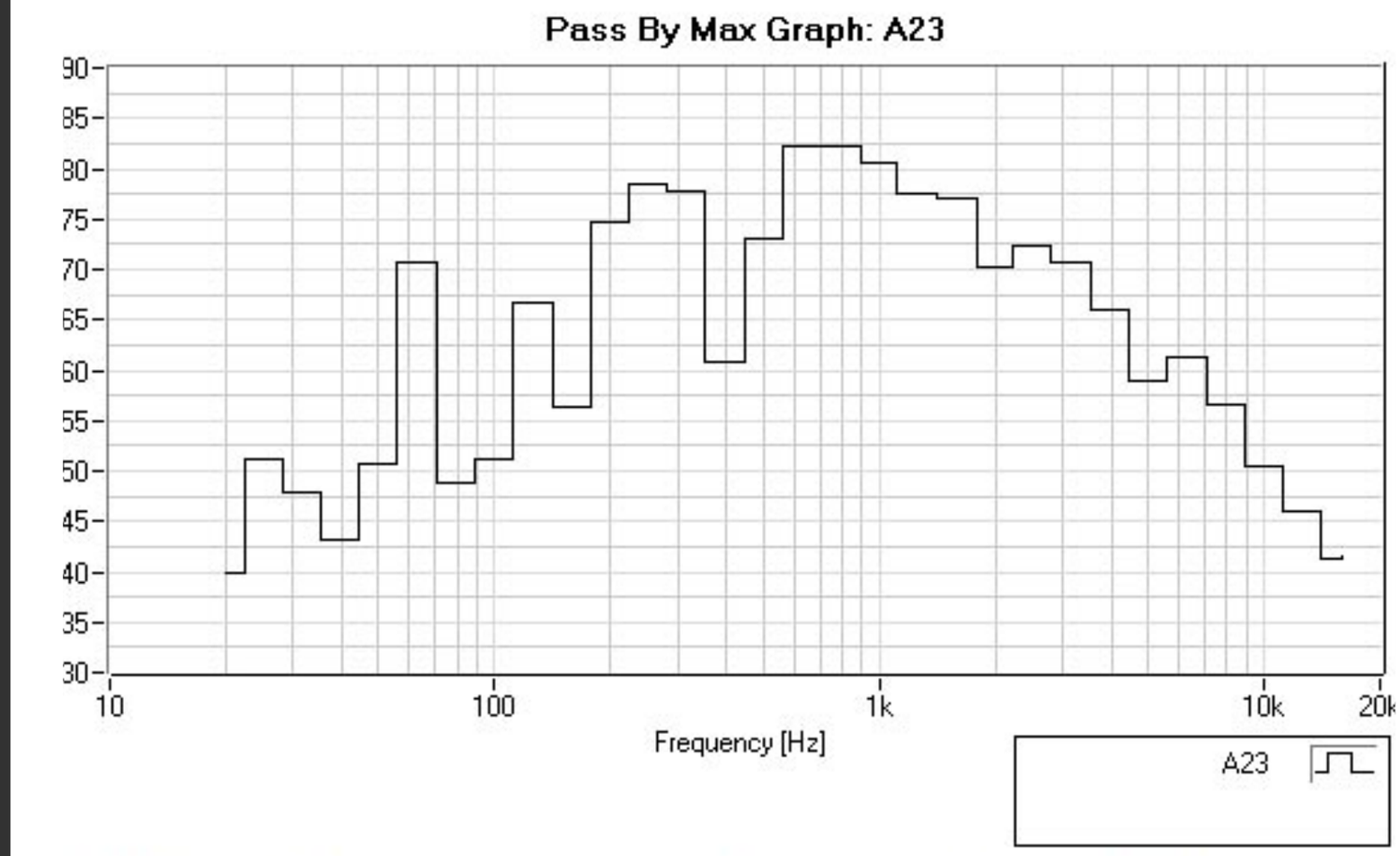
Clip Name	Sensitivity [Bit]	Frequency
Dropout	45.00	999.00

Table 8: Calibration results

Clip Name	Recording Name	Recording Comments	Recording Begun	Recording Length [s]
Dropout	A1	Trial Measurement to Verify set/up	23. dec 2004 @ 08:00:10	00:05:56:125

Table 9: Clip origin information

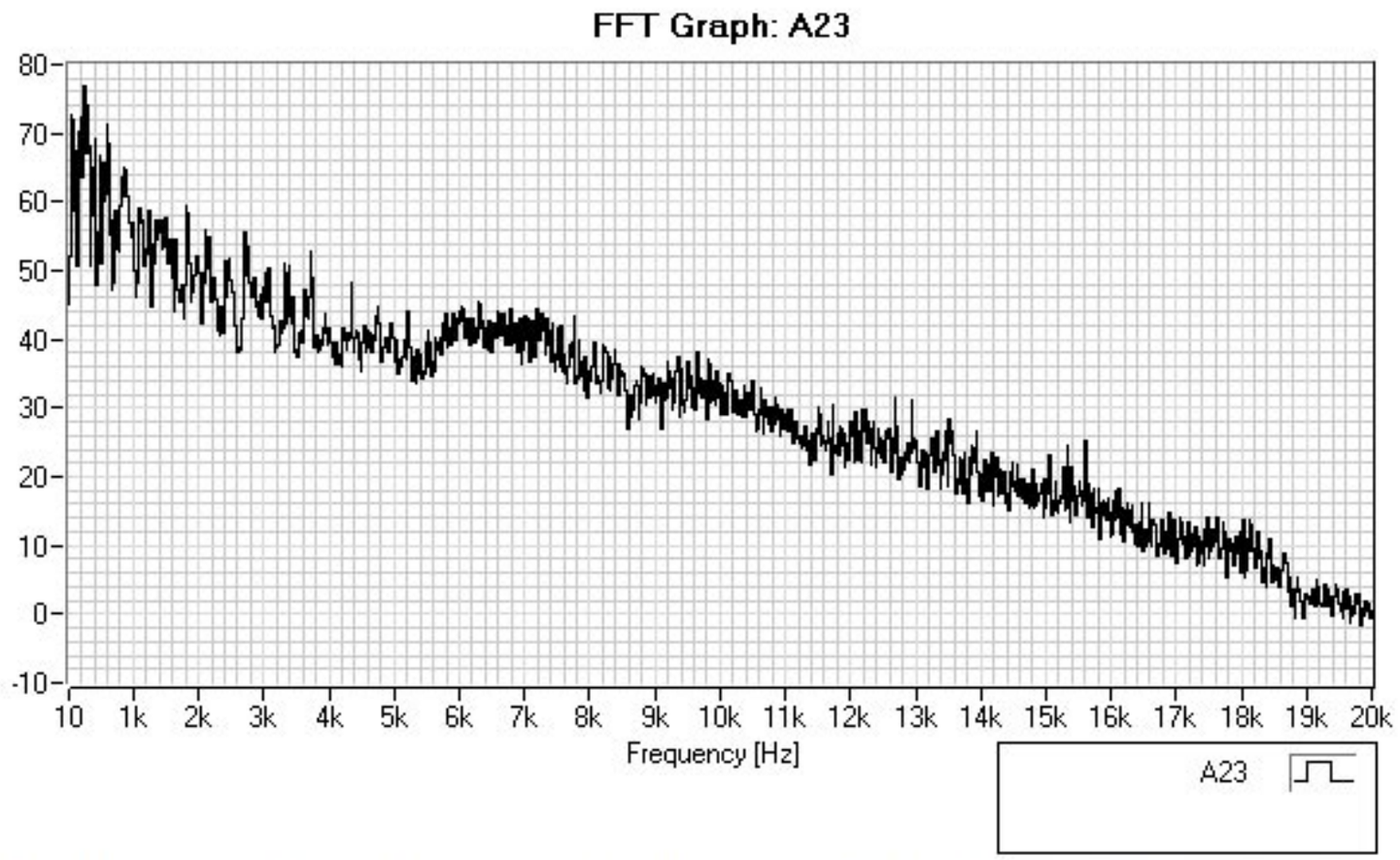
Click and and you have it!



Graph Caption 2: 1/3 Octave, Linear. Spectrum is Background Noise Corrected. Detailed analysis information can be found in the 'Analysis Settings' chapter below.

Graphical too (Fully annotated thanks to the Meta Data)

raphs



Graph Caption 1: FFT Graph. Resolution 10 Hz, Window Type: Flat Top. Detailed analysis information can be found in the 'Analysis Settings' chapter below.

FFT Spectrum

FFT1.html	10 KB	HTML Document	23-12-2004 08:43
FFT1.txt	0 KB	Tekstdokument	23-12-2004 08:43
FFT1.xml	4 KB	XML-dokument	23-12-2004 08:43
FFT1.xsl	23 KB	XSL-typografiark	14-12-2004 14:48
FFT1_FFTGraphA23.jpg	175 KB	JPEG-billede	23-12-2004 08:36
footer_logo.jpg	3 KB	JPEG-billede	15-11-2004 16:32
header_logo.jpg	4 KB	JPEG-billede	15-11-2004 16:11

JPEGs and text output to Excel, not to mention XML . . .

noiseLAB: Simple Sophistication