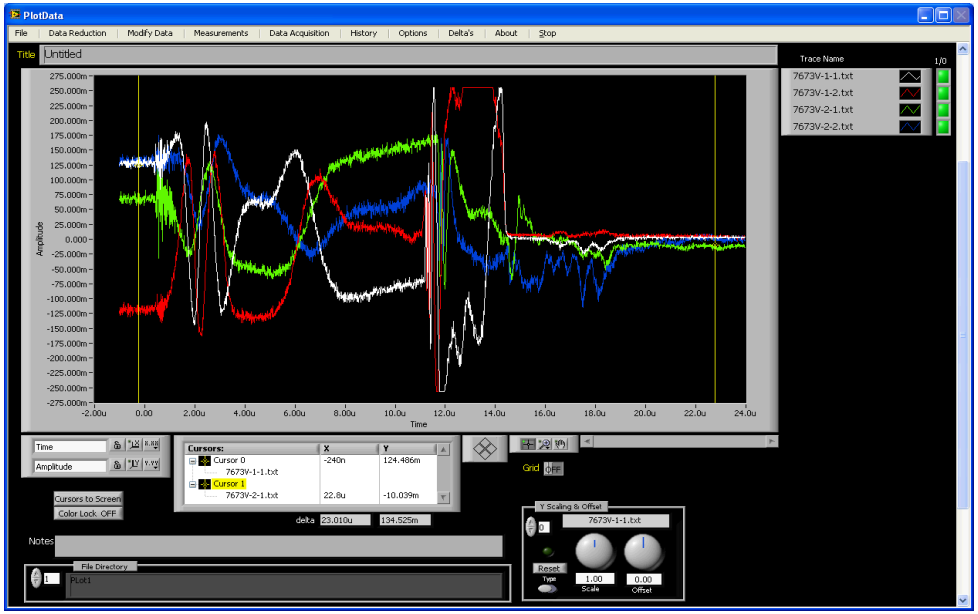
PlotData software

SAND2014-2285C

Data Acquisition and Waveform Manipulation System



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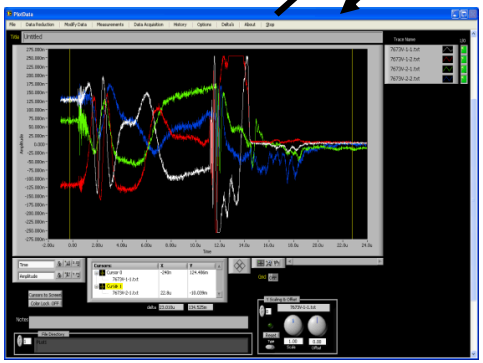
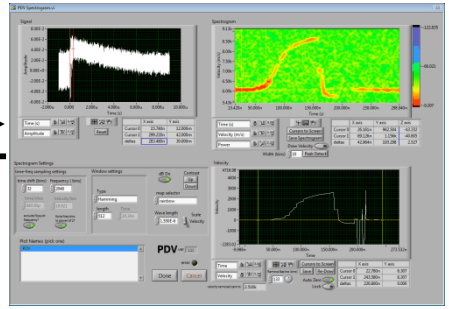
PlotData Overview

GPIB

USB

Ethernet





PlotData is designed for post-acquisition waveform data analysis. PlotData is both a post-acquisition and an advanced interactive data analysis environment. PlotData operates on a National Instruments' LabVIEW™ software platform. Using PlotData, the user can capture waveform data over a GPIB, USB and Ethernet interface. PlotData can both import and export several types of binary waveform files including, but not limited to, Tektronix .wfm, LeCroy .trc and xy pair ASCII files. Waveform manipulation includes numerous math functions, integration, differentiation, smoothing, truncation, and other specialized data reduction routines such as VISAR, PDV, PVDF (Bauer) piezoelectric gauges , and piezoresistive gauges such as carbon manganin pressure gauges.

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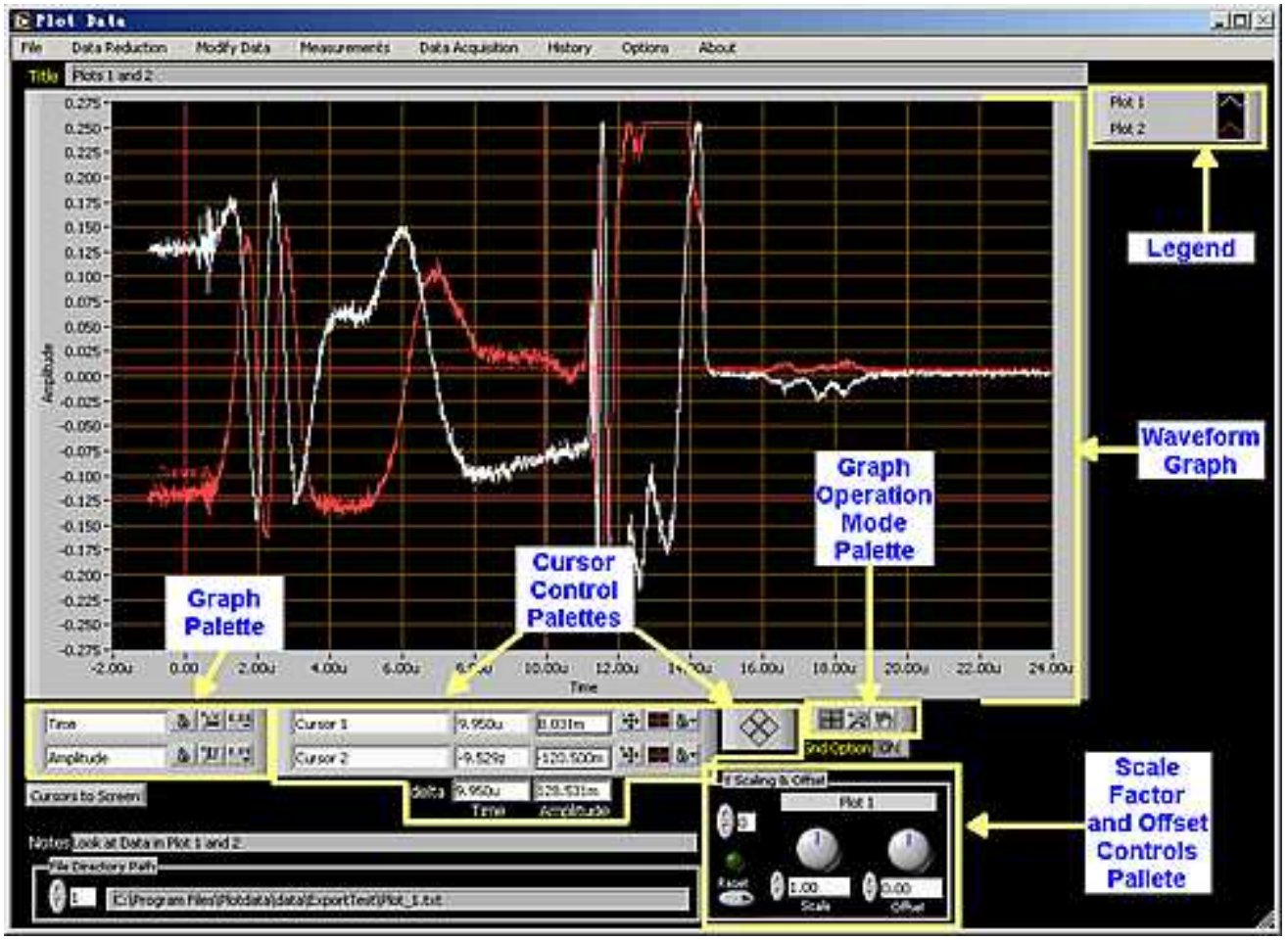
PlotData Main Screen



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File Types

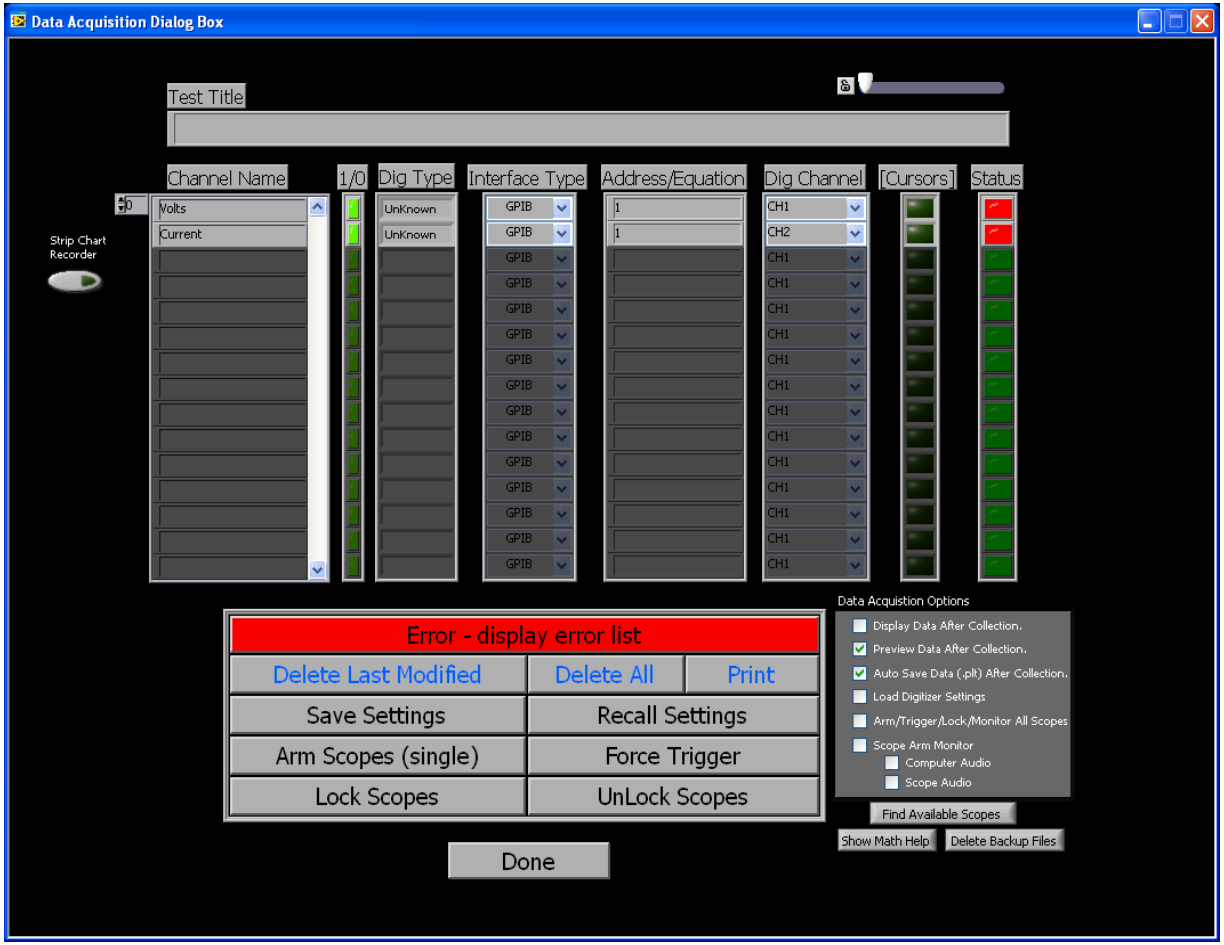
- **Import File Types**

Auto Detect	
PlotData	(.plt)
ASCII	(.csv)
Tektronix	(.wfm, .csv, .isf and .wfa)
LeCroy	(.trc)
Sound	(.wav)

- **Export File Types**

PlotData	(.plt)
PlotData	(.spn) Snap Shot
ASCII XY Pair	(.csv)
ASCII multi XY Pair	(.csv)
Sound	(.wav)

Data Acquisition



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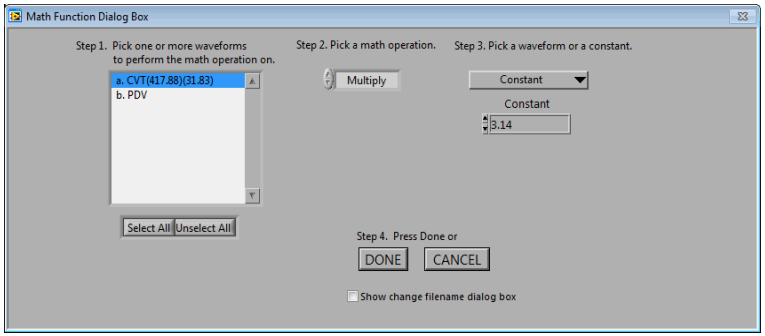
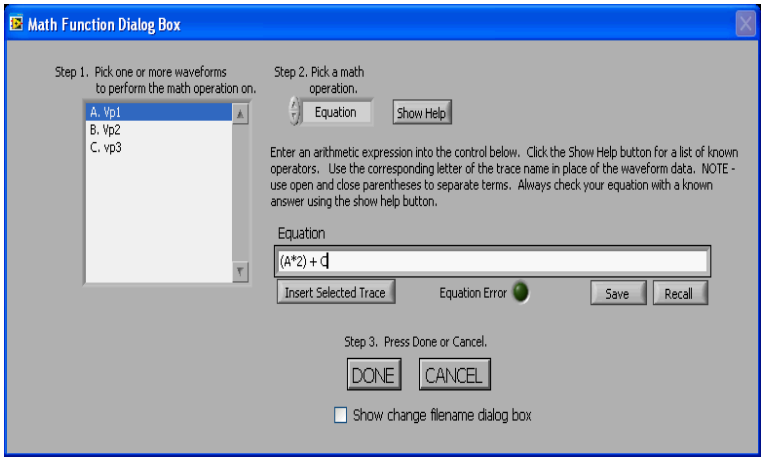
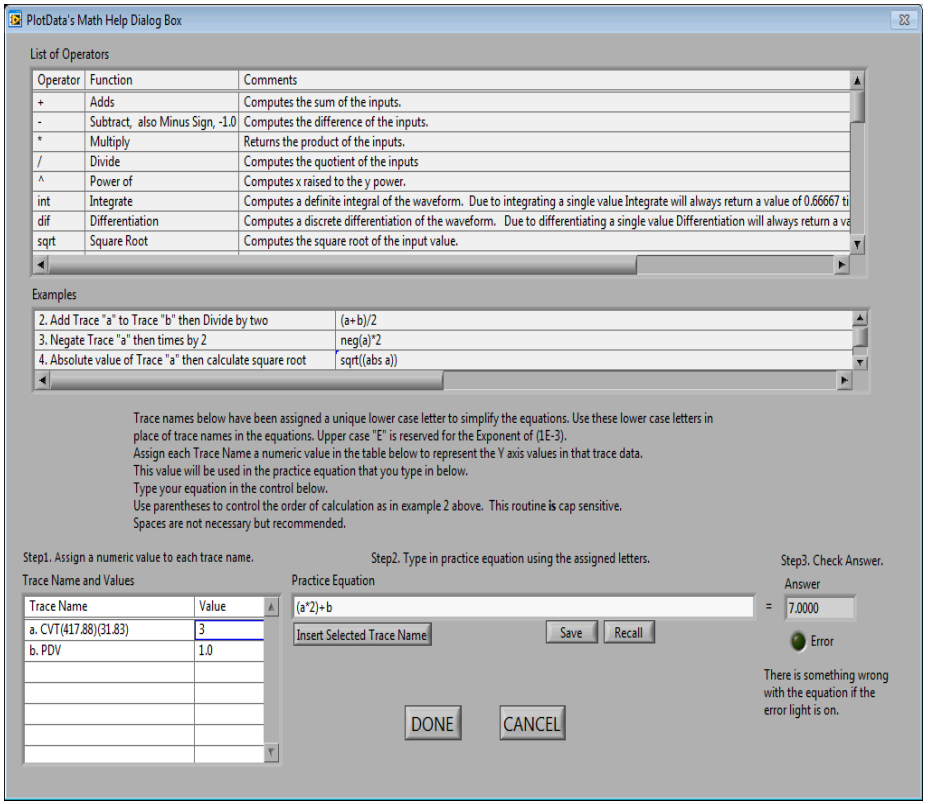
PlotData's Math Function Dialog Box







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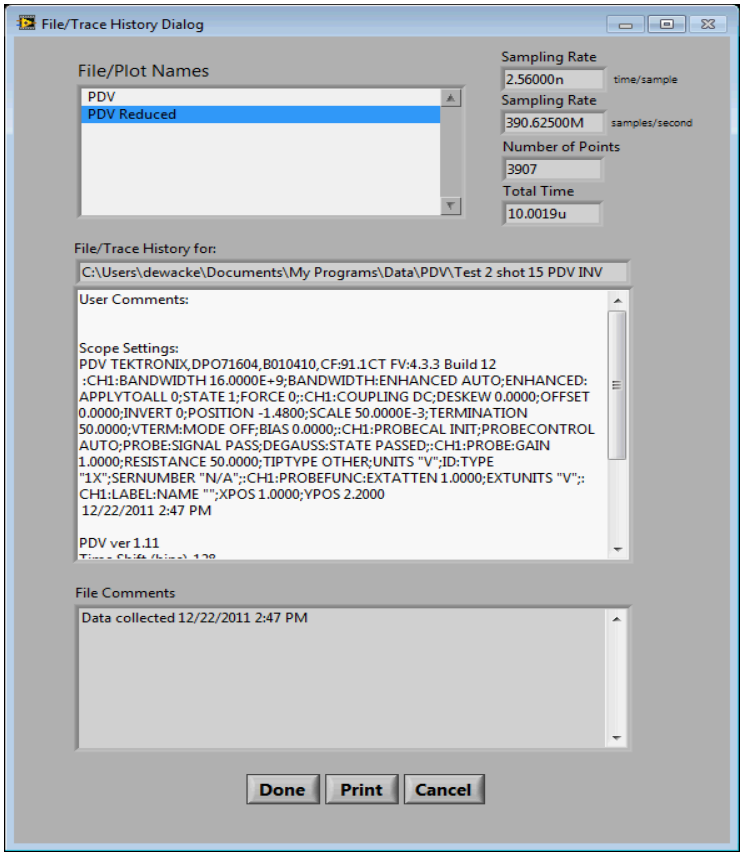
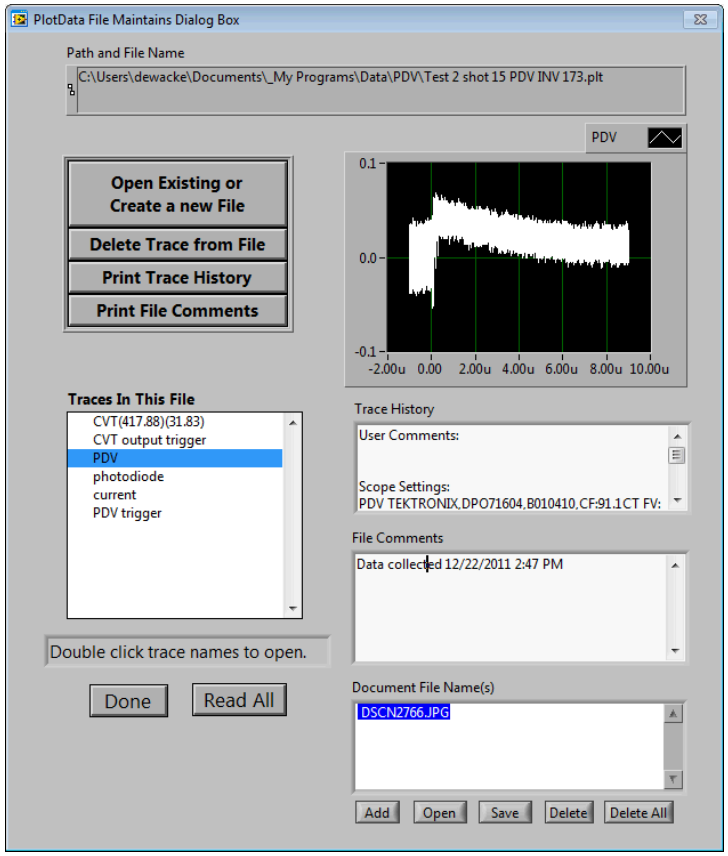
PlotData's History and File Dialog Box





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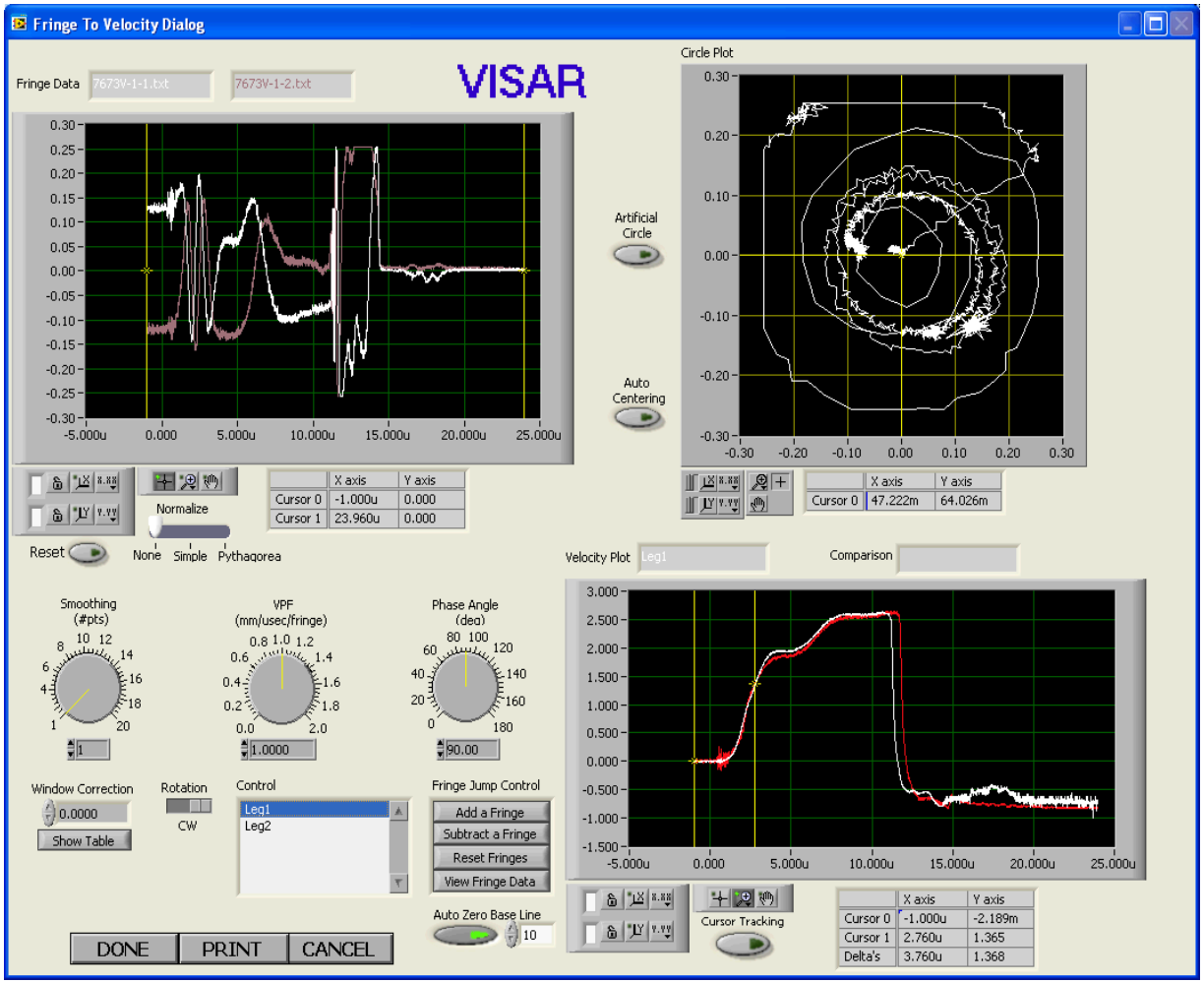
VISAR Data Reduction



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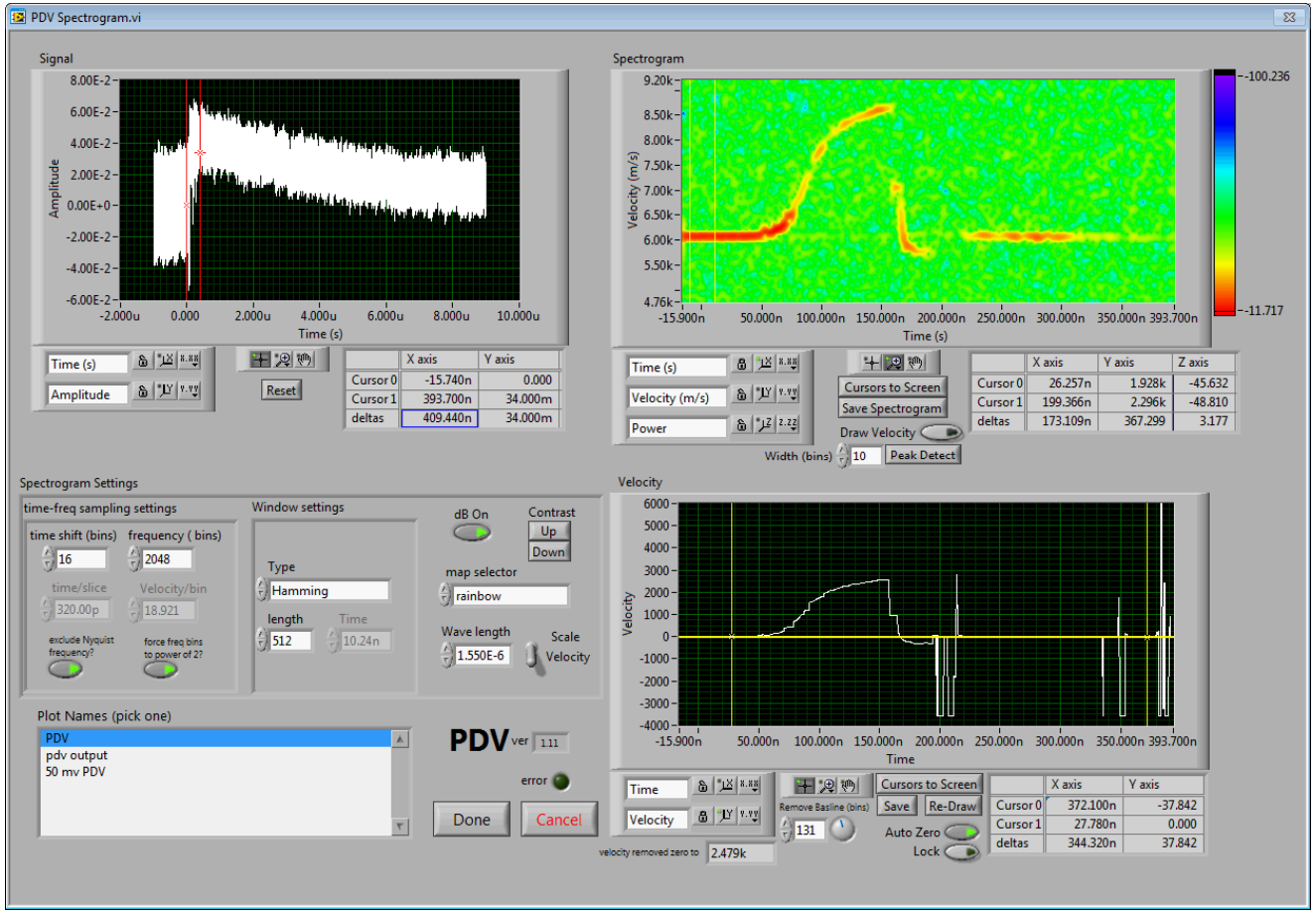
PDV Data Reduction



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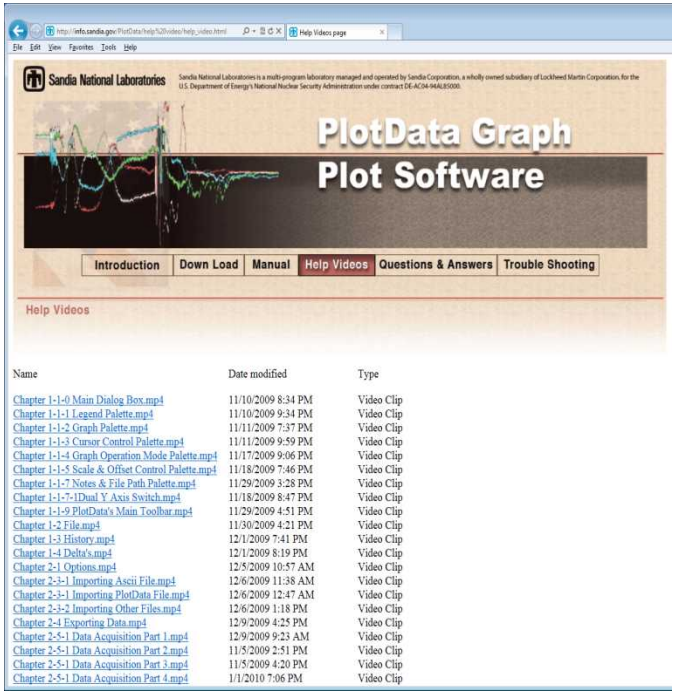
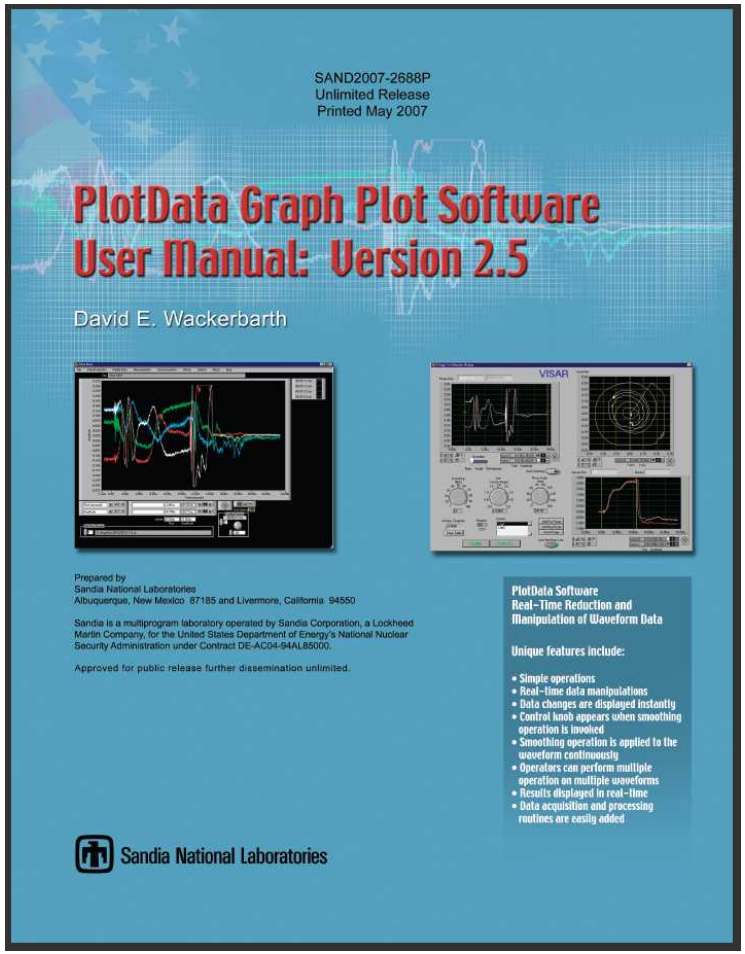
Help Video files and Manual





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