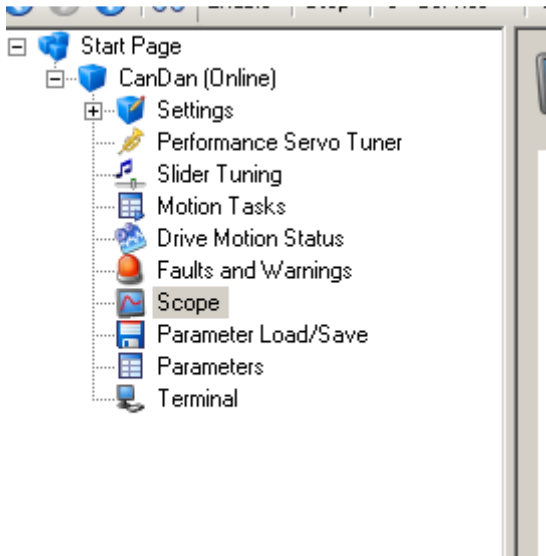
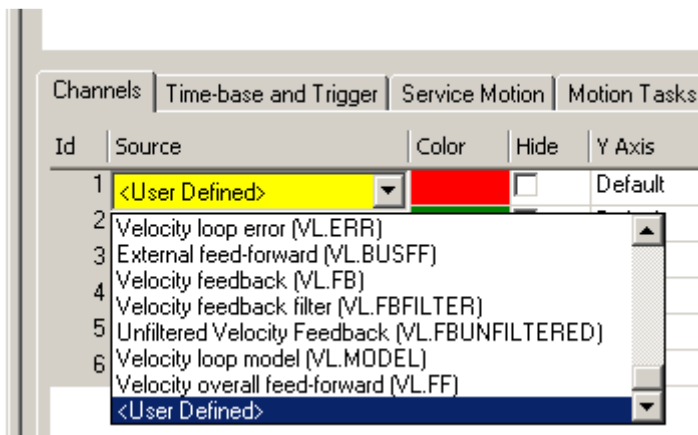


Open Workbench

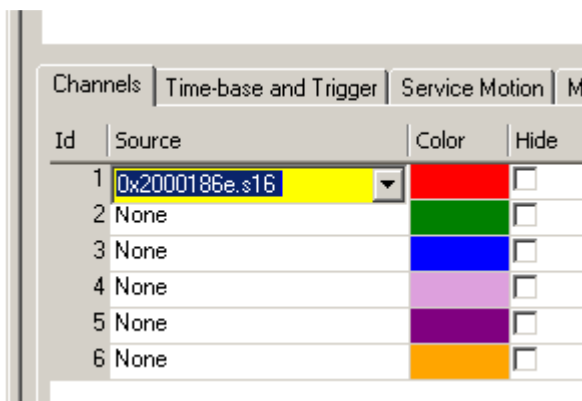
Select scope from the tree on the right



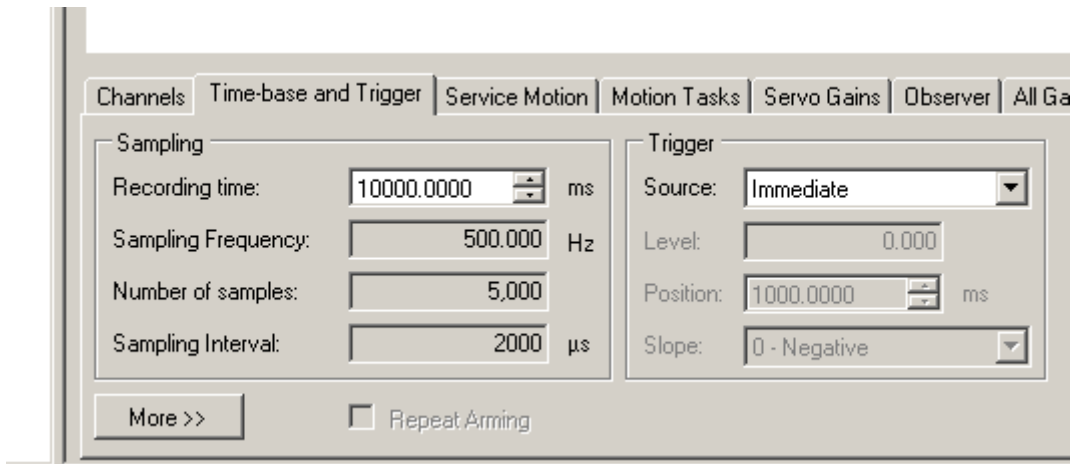
Click on the "CHANNELS" tab and then select "<User Defined>" from the pull down menu:



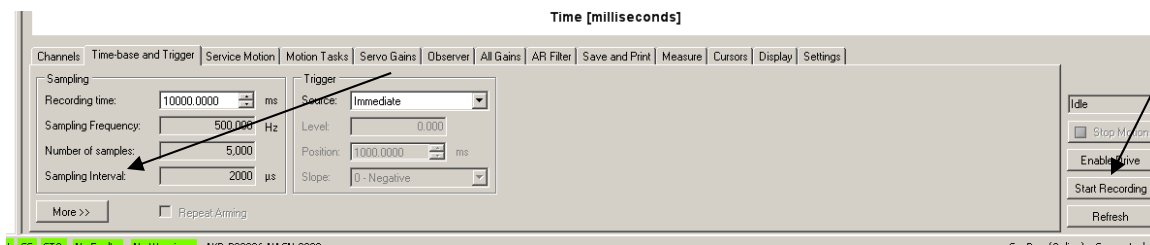
Replace "<User Defined>" with 0x2000186e.s16".



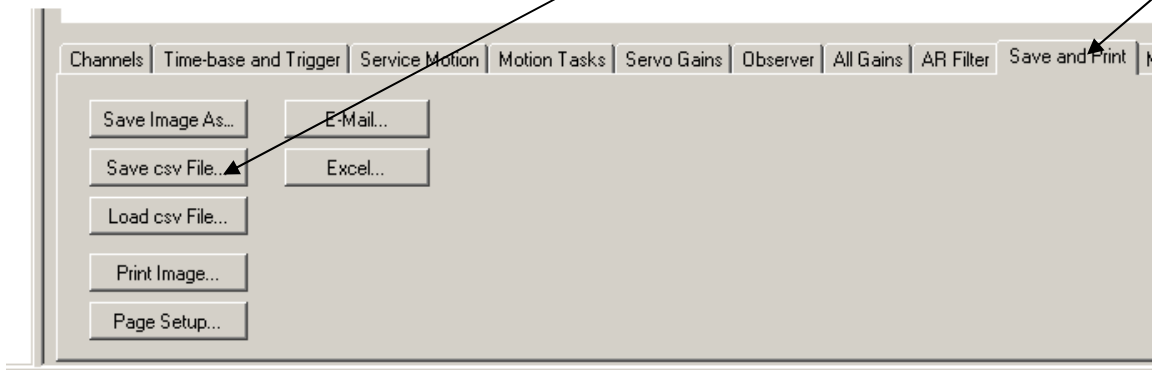
Now click on the “TIMEBASE AND TRIGGER” tab. Set up as seen below:



When your ready to plot the feedback, click on the “START RECORDING” button (on the right side). Your plot will record for 10 seconds.



To save a plot to email me, click on the “SAVE and PRINT” tab. Save the plot as a “CSV” so I can use Excel to review it.



The results are in counts. The signal is $(\sin^2 + \cos^2)/2$.

For a resolver:

// The voltage levels for triggering broken wire faults.

enum

```
{ resolverLowLevel = 6124, // 2.25 Volts RMS 35.7% less than 3.5 volts rms  
  resolverHighLevel = 11778 // 4.375 Volts RMS 25% larger than 3.5 volts rms};
```

According to the fpga module specification the conversion factor is 2692 counts/Volt rms