



BenchLink Scope Tutorial: Agilent 34810B

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The procedures described in this tutorial are used to transfer images and data from the digital storage Mixed Signal Oscilloscope to the memory of the computer to which the oscilloscope is connected in the Lab. The final destination of the downloaded files is the students' account on the College of Engineering server, or some further destination where the Lab report will be eventually prepared.

1. Transferring the **Waveform Data** (not the Screen Image) from the Mixed-Signal Oscilloscope to the computer memory,
 - (a) on the oscilloscope's front panel:
 - hit the key Display,
 - at the bottom of the screen, use the soft key to turn the *vectors* **off**;
 - (b) have the Agilent's application **BenchLink** running on the computer:
 - starting from the BenchLink's window select: **File**→**New**→**WaveformData**→**OK**
 - from the New waveform window select the waveforms to be transferred, and click OK.
2. To save the transferred waveform data into a file,
 - for a file viewable in Agilent's BenchLink select: **File**→**Save as...** , which will save the waveform data as a binary (.WFX) file,
 - for a file viewable in MS Excel select: **Waveform**→**Options**→**Fileformat**→**.csv**
 - then select: **Waveforms**→**Save as time,amplitude**.
3. To save the transferred waveform data on the Clipboard, select the Clipboard icon.
4. To transfer the **Screen Image** (not the Waveform Data) from the Mixed-Signal Oscilloscope to the computer memory,
 - (a) on the oscilloscope's front panel:
 - hit the key Display,
 - at the bottom of the screen, use the soft key to turn the *vectors* on;
 - (b) have the Agilent's application **BenchLink** running on the computer:
 - starting from the BenchLink's window select: **Image**→**New**→**OK**.
5. To save the transferred image view into a file,
 - for the image in *.tif format select: **Image**→**Options**→**Tagged Image File**,
 - for the image in *.pcx format select: **Image**→**Options**→**PC Paintbrush**,



- then select **File**→**Save as...** and select the **destination directory**.
6. To copy the image view of the waveforms to the Clipboard,
- for the image in *.tif format select: **Image**→**Options**→**Tagged Image File**,
 - for the image in *.pcx format select: **Image**→**Options**→**PC Paintbrush**,
 - then select the **Clipboard icon**.