

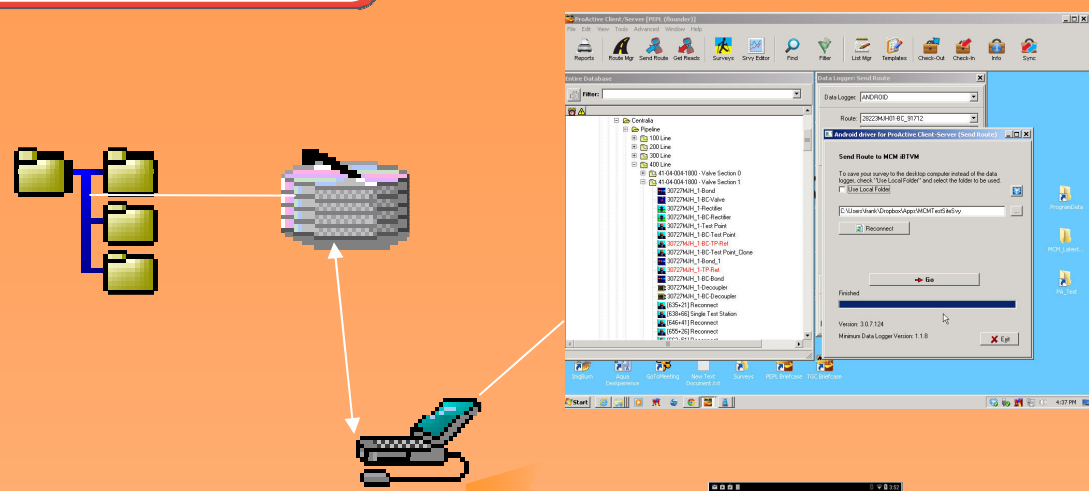


- **Android™ compatible Bluetooth® voltmeter with integrated GPS receiver**
- **Wireless communication with tablets & *phones***
- **Submeter GPS at no additional cost**
- **Bluetooth® status indicating LED on case exterior**
- **5 pin connector and 2 shrouded banana jacks**
- **iBTVM for Android™ application included**

Support Overview

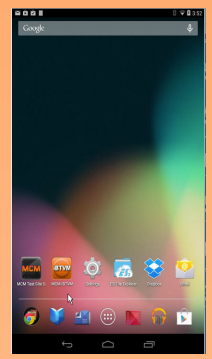


ProActive Single User Environment



- ProActive (ver 3.0.7.312+)**
- Send Route
 - Get Reads
 - Import 'Time Chart' data

- Transfer**
- Email
 - Dropbox
 - USB



- Tablet**
- Apps
 - iBTVM
 - TSS



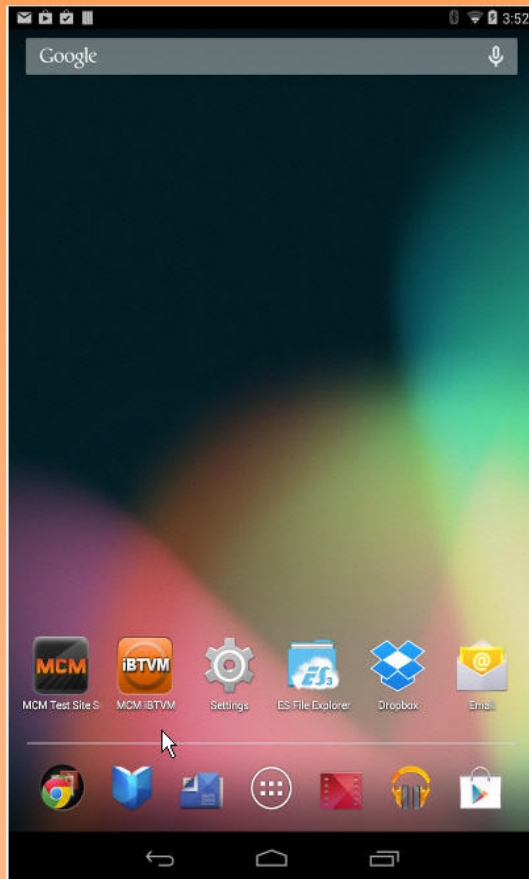
- iBTVM**
- VM
 - GPS<m

Support Overview



Android Tablet Setup

- **Email** and/or **Dropbox Transfer** Capability options require **WiFi at minimum**
 - Email
 - Setup an Email account
 - Dropbox
 - Setup a Dropbox account
- MCM iBTVM app download & install
 - Bluetooth enabled connection with iBTVM
- MCM Test Site Survey download & install (for ProActive users)
 - **Settings** function setup
 - connect with iBTVM
 - if Dropbox user, '**Synchronize with Dropbox**'



Support Overview

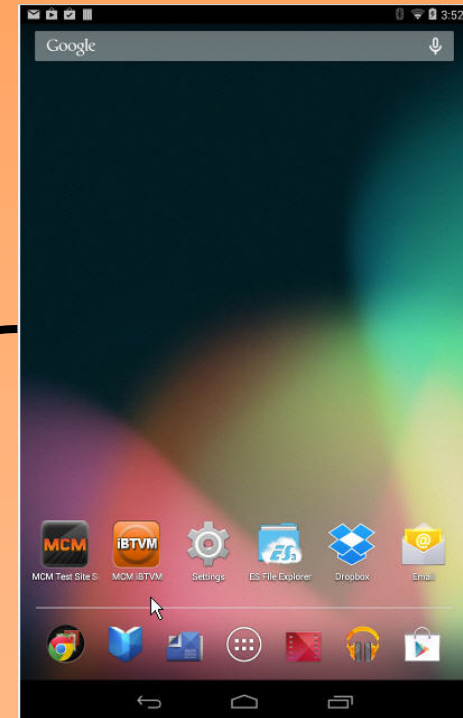
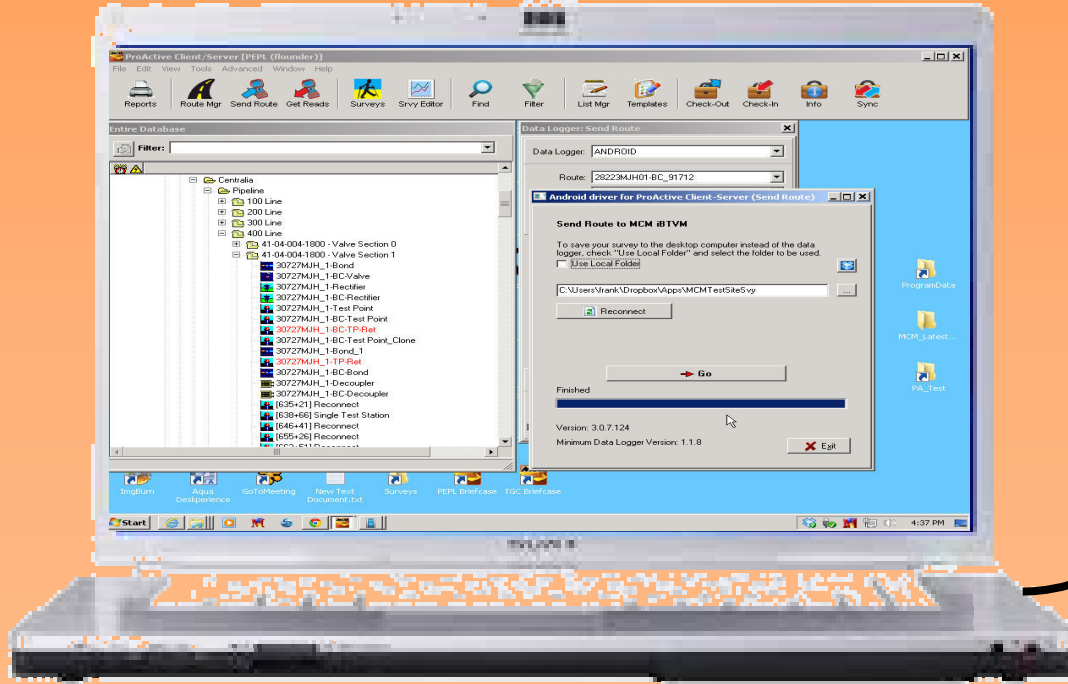


PC Setup

- **USB** driver with **ADB** capability
 - may be unique to tablet brand

Android Tablet Setup

- **USB Transfer** Capability
 - in **'Settings'**
 - **Developer Options** required
 - **USB Debugging** enabled
- Security
 - **Unknown sources** enabled



Support Overview



iBTVM Voltmeter Settings

Menu Options

- Voltmeter Settings
- Recorder Settings
- Time Chart Display
- Send Data File
- Diagnostics
- Exit

On Voltage: -1.540 VDC
Off Voltage: -1.435 VDC
GPS Data: Lat: 27.805960 Lon: -80.463378 Alt: -43 ft
 Time: 4:23:34 PM Fix Quality: excellent
Prior Filename: MCM-iBTVM-06051

Settings Tabs: Voltmeter Settings | Recorder Settings | Time Chart Display

iBTVM Device: MCM-iBTVM-06051
Reading Style: On/Off Pairs (D.S.P)
Interrupter cycle: On (ms): 3000 Off (ms): 1000
Voltage Range: 5.7VDC, 400MΩ
AC Rejection: 60Hz

MCM iBTVM v1.3.9a · Copyright (c) 2014 · M. C. Miller Co., Inc.

Battery Charge

Volt Meter SN#

GPS location

Rd Style Options

- Single Read
- On/Off Pairs (D.S.P)
- On/Off Pairs (Max/Min)

AC Reject selections

- 60Hz
- 50Hz
- 30Hz
- 25Hz
- 16.6Hz
- None

Connected iBTVM

Interrupter cycle

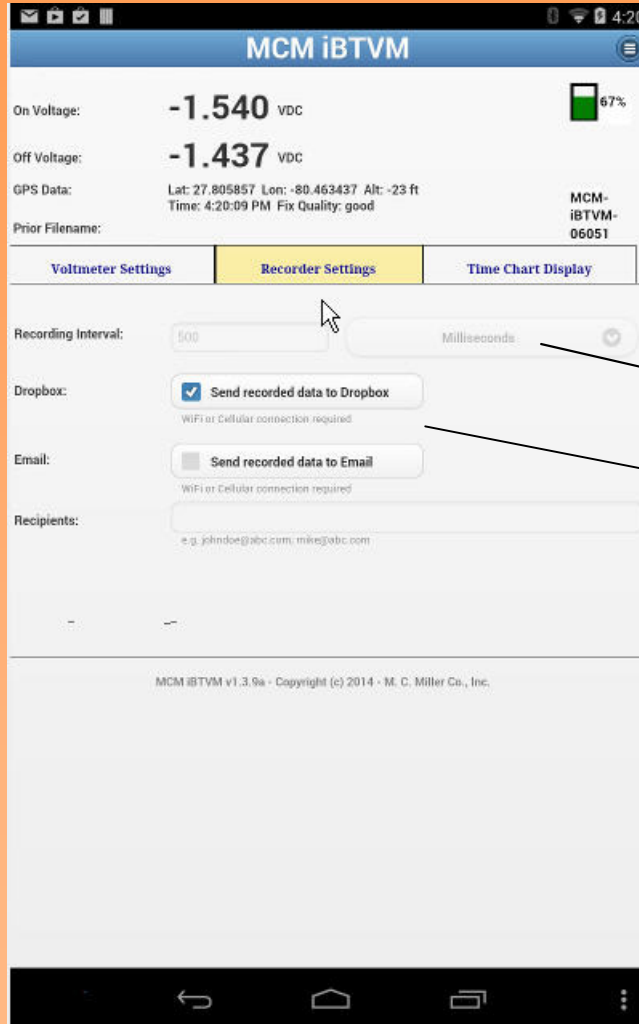
VM Range selections

40mVDC, 10MΩ
400mVDC, 10MΩ
5.7VDC, 400MΩ
40VDC, 75MΩ
57VDC, 75MΩ
57VDC, 400MΩ
400VDC, 75MΩ
570VDC, 75MΩ
40VAC, 75MΩ
400VAC, 75MΩ

Support Overview



iBTVM Recorder Settings



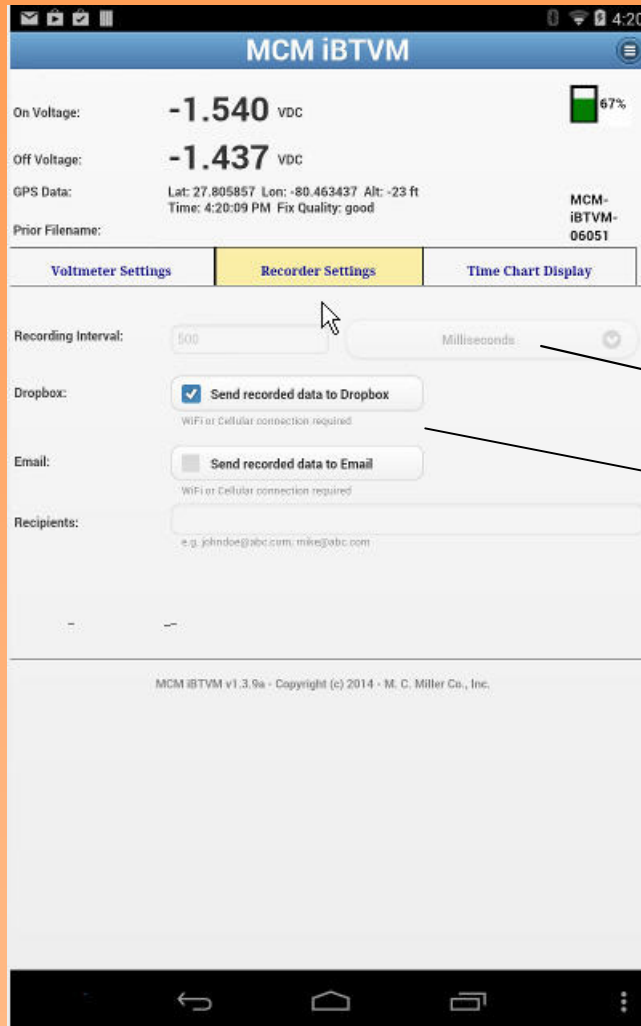
Recording Interval

Transfer Options

Support Overview



iBTVM Recorder Settings – On/Off

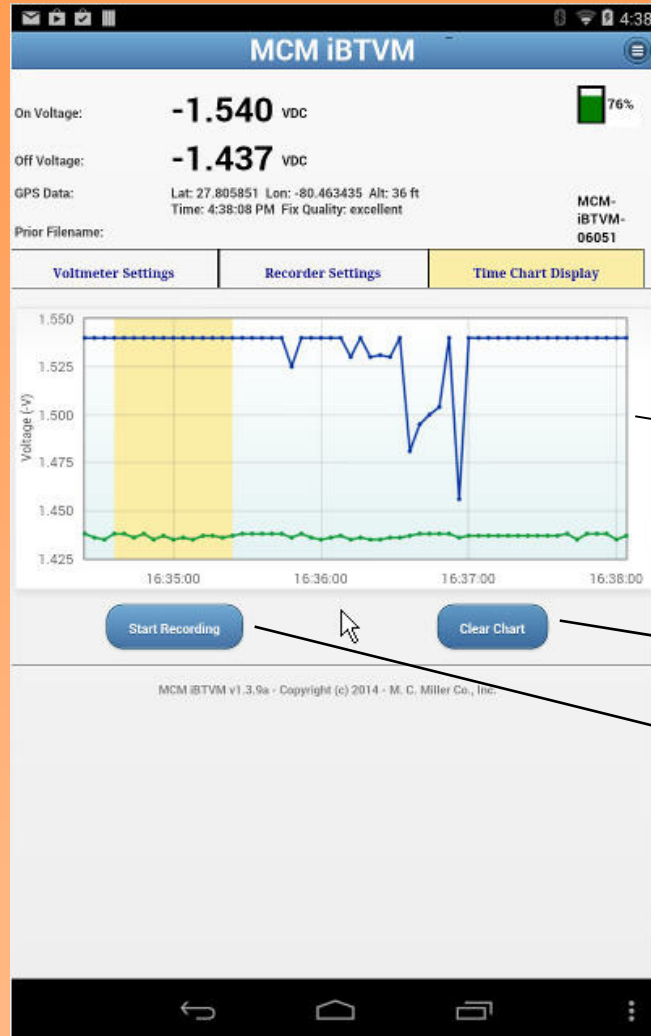


Recording Interval
Transfer Options

Support Overview



iBTVM Time Chart Display



→ On/Off Waveform

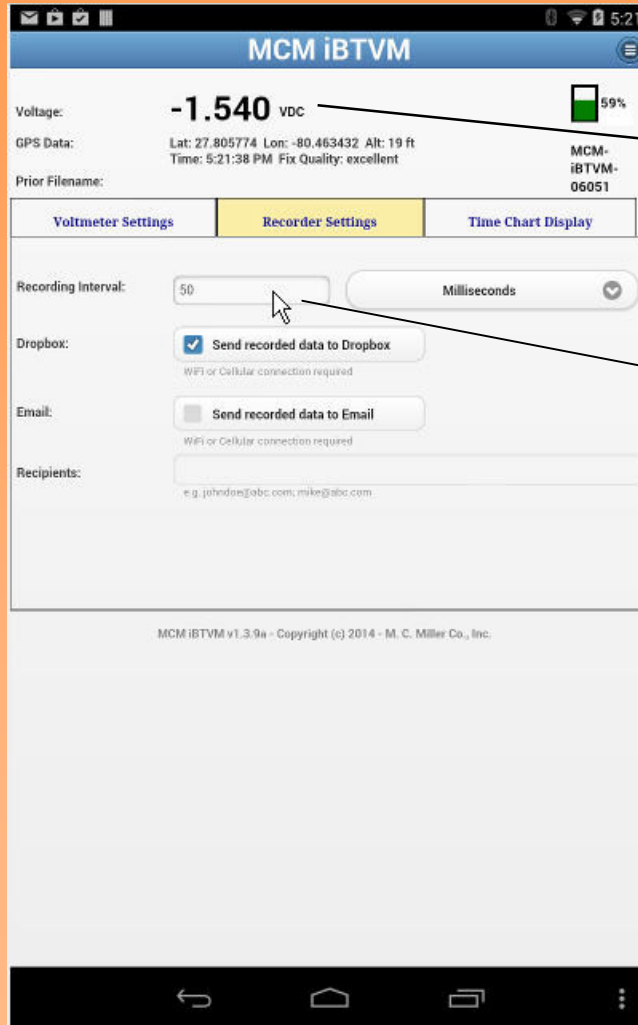
→ Clear chart prior to recording

→ Start recording, toggle to Stop

Support Overview



iBTVM Recorder Settings – Single Rd



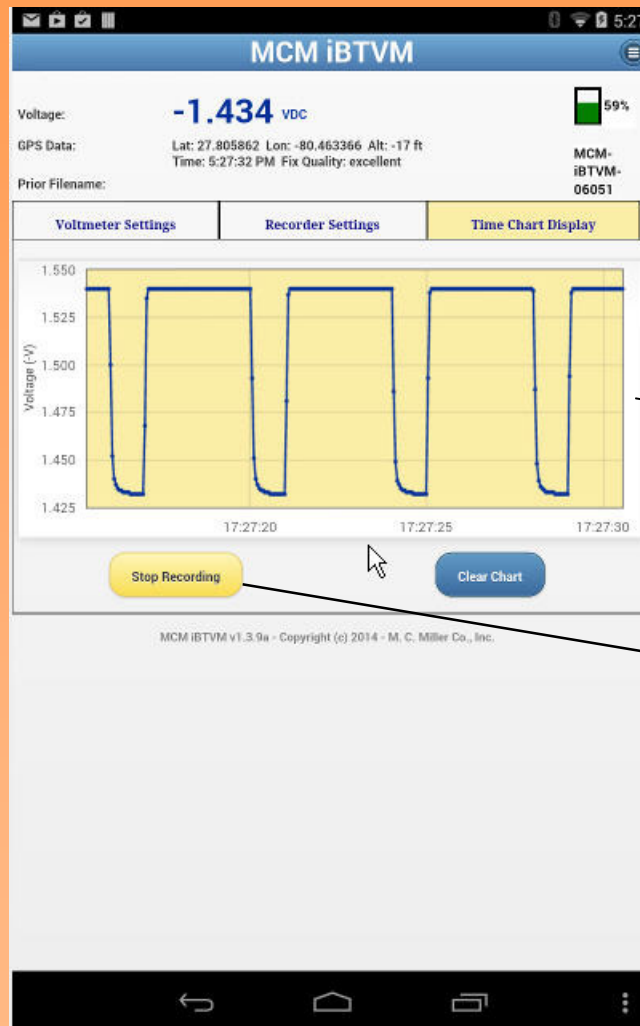
Single Read selected from VM Settings

Recording Interval

Support Overview



iBTVM Time Chart Display – Single Rd



On/Off Waveform
• via Single Rd
• @ 50ms sample

Tap to Stop Recording

Support Overview



ProActive Time Chart Import

1) Open Test Site to Receive Waveform

2) Click Import

3) Navigate to Dropbox Folder

4) Save selected file

The screenshot displays the M. C. Miller ProActive software interface. On the left, the 'Entire Database' tree shows a hierarchy of test sites, with 'FMN_Test Point-1' selected. The main window shows the 'FMN_Test Point-1 Details Form' with tabs for Location, Test Point, Readings, Atmospherics, Graph, Time Chart, Notes, and Audit Trail. The 'Time Chart' tab is active, and the 'Import' button is visible. A 'Load Data from File' dialog box is open, showing the 'Look in' folder 'MCMIBTVM'. The file list includes 'fmm_waveform.csv', which is selected. The dialog box also shows the file name 'fmm_waveform.csv' and the file type 'All files (*.*)'. The 'Open' button is highlighted.

Support Overview



ProActive Time Chart Import Parm setup

The screenshot shows the 'M. C. Miller ProActive' software interface. The 'Import Data' dialog box is open, displaying a table with the following data:

Date/Time	Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Remarks
8/6/2014 16:00:00.265	-1.432		27.805773	-80.463426		10	excellent
8/6/2014 16:00:00.317	-1.432						
8/6/2014 16:00:00.370	-1.431						
8/6/2014 16:00:00.420	-1.431						
8/6/2014 16:00:00.472	-1.431						
8/6/2014 16:00:00.522	-1.431						
8/6/2014 16:00:00.574	-1.431						
8/6/2014 16:00:00.624	-1.431						
8/6/2014 16:00:00.677	-1.431						
8/6/2014 16:00:00.727	-1.431						
8/6/2014 16:00:00.779	-1.431						
8/6/2014 16:00:00.829	-1.431						
8/6/2014 16:00:00.881	-1.431						

Annotations in the image:

- Arrow 1) Date/Time & Channel 1 points to the first two columns of the table.
- Arrow 2) OK points to the 'OK' button at the bottom of the dialog.

Support Overview



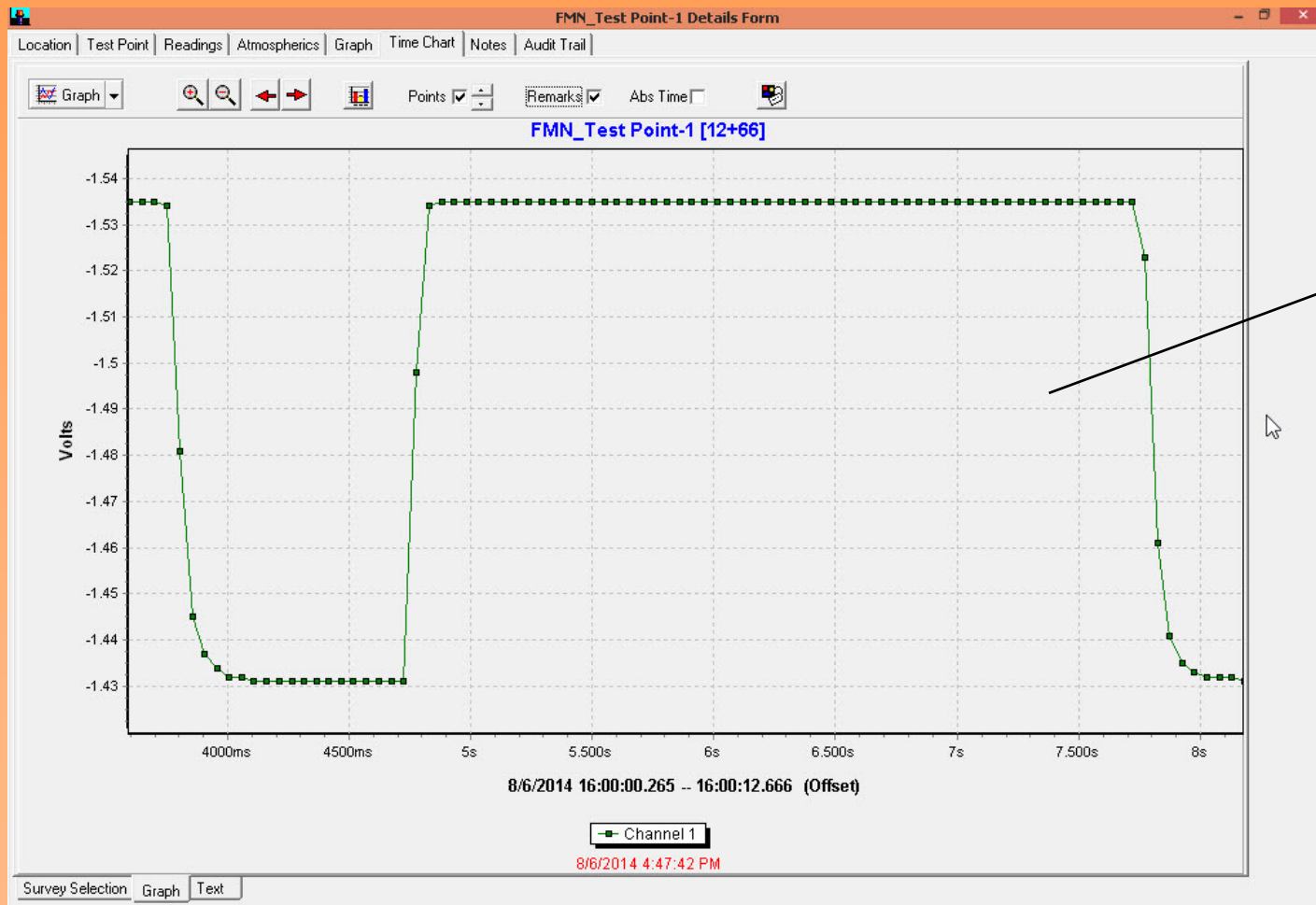
ProActive Time Chart Import Review Waveform

The screenshot shows the M. C. Miller ProActive software interface. On the left is the 'Entire Database' tree view with 'FMN_Test Point-1' selected. The main window is the 'FMN_Test Point-1 Details Form' showing a 'Graph' tab. The graph plots 'Volts' on the y-axis (ranging from -1.44 to -1.54) against time on the x-axis (0 to 10+ seconds). The waveform is a square wave alternating between approximately -1.54V and -1.44V. Below the graph, the time range is '8/6/2014 16:00:00.265 -- 16:00:12.666 (Offset)'. A legend indicates 'Channel 1'. An arrow points from the text 'Total Recorded Cycles' to the number '12+66' in the graph title.

Support Overview



ProActive Time Chart Import Review Waveform



Zoom-in capability

Support Overview