

LBD's M850 Digital Meter

Instructions for Data Logging

Install Drivers on Data Logging PC

- Drivers for the RS485 to USB connection are required to communicate with the meter
- Some versions of the meter have the CD included with the Installation Manual Packet. CD will have the B&B Electronics Logo – USB Serial Driver v.2.8.29.0. If a CD is not included, please go to <http://www.easysync-ltd.com/product-downloads> and download the “USB to RS485” driver.

Go to LBD Website for the MultiLog Software

<https://www.loadbanksdirect.com>

The screenshot shows the Load Banks Direct website homepage. The browser address bar displays <https://www.loadbanksdirect.com>. The website has a dark blue header with the LBD logo and navigation links: OVERVIEW, CONTACT, ABOUT, and a search bar. A sidebar on the left lists: HOME, LOAD BANK PRODUCTS, REQUEST A QUOTE, IN-STOCK LOAD BANKS, INDUSTRY LINKS, and LBD NEWS. The main content area features a large banner for "TRAILER MOUNTED LOAD BANKS" with "UP TO 2500KW" and an image of a trailer-mounted unit. Below the banner is a "Welcome" section with a paragraph about LBD's services. At the bottom, there are three columns: "COMPETITIVE PRICING" with a "Request a Quote >>" link, "INNOVATIVE DESIGNS" with a "More Information >>" link, and "SUPERIOR SERVICE" with a "Contact LBD >>" link. The footer contains contact information, resources, information for various companies, and legal links. The UL logo is also present in the footer.

LOAD BANKS DIRECT

OVERVIEW CONTACT ABOUT

Search LBD

HOME

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REQUEST A QUOTE

IN-STOCK LOAD BANKS

INDUSTRY LINKS

LBD NEWS

TRAILER MOUNTED LOAD BANKS

UP TO 2500KW

LOAD BANKS DIRECT

Welcome

Load Banks Direct (LBD) is a leading manufacturer of high-capacity Load Banks used in the testing and commissioning of standby emergency power systems including generators, uninterruptible power supplies, turbines, battery systems and regenerative power absorption of large motors, and other load applications. We offer a comprehensive line of UL listed, standard and custom-engineered load-testing solutions for mission-critical power systems.

At LBD, we are excited to redefine the Load-Testing market. Our team of industry experts offers high-quality, factory-direct purchase solutions for most any load-testing application. Our products are 100% Engineered and Made in the USA. As a privately owned company, we care more about our customers than shareholders. We are passionate about the load bank market and strive to offer the best solution every time! LBD is truly positioned to be your complete load-testing solutions partner.

COMPETITIVE PRICING
Request a Quote >>

INNOVATIVE DESIGNS
More Information >>

SUPERIOR SERVICE
Contact LBD >>

CONTACT

1452 Donaldson Highway
Erlanger, KY 41018
Phone: 1-855-LBD-CALL
International: 859-554-1534
Fax: 859-554-2530

RESOURCES

Derating Tool
Resource Center
Buyers Guide
Best Practices
Gen Set Reliability

INFORMATION FOR

GenSet Dealers
OEMs
GenSet Service Companies
Rental Companies

LEGAL

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Accessibility
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UL US

2:55 PM
9/2/2015

Go to bottom of page and click on Resource Center

The screenshot shows the Load Banks Direct website. The header includes the LBD logo, navigation links (OVERVIEW, CONTACT, ABOUT), and a search bar. The main content area features a large banner for "TRAILER MOUNTED LOAD BANKS" with the text "UP TO 2500KW" and the LBD logo. Below the banner is a "Welcome" section with a paragraph about the company's services. At the bottom of the page, there is a footer with several columns of links. A large red arrow points to the "Resource Center" link in the "RESOURCES" column.

Header: LBD LOAD BANKS DIRECT, OVERVIEW, CONTACT, ABOUT, Search LBD

Main Content: TRAILER MOUNTED LOAD BANKS, UP TO 2500KW, LBD LOAD BANKS DIRECT

Welcome: Load Banks Direct (LBD) is a leading manufacturer of high-capacity Load Banks used in the testing and commissioning of standby emergency power systems including generators, uninterruptible power supplies, turbines, battery systems and regenerative power absorption of large motors, and other load applications. We offer a comprehensive line of UL listed, standard and custom-engineered load-testing solutions for mission-critical power systems.

Footer:

- COMPETITIVE PRICING: Request a Quote >>
- INNOVATIVE DESIGNS: More Information >>
- SUPERIOR SERVICE: Contact LBD >>
- RESOURCES: Derating Tool, Resource Center, Buyers Guide, Best Practices, Gen Set Reliability
- INFORMATION FOR: GenSet Dealers, OEMs, GenSet Service Companies, Rental Companies
- LEGAL: Privacy Policy, Terms and Conditions, Accessibility, Copyright © 2015

UL US

Click on software and drivers

The screenshot shows the Load Banks Direct website. The browser address bar displays <https://www.loadbanksdirect.com/resource>. The website header features the LBD logo, navigation links (OVERVIEW, CONTACT, ABOUT), and a search bar. The main content area is titled 'LBD Resource Center' and includes a sidebar with links like HOME, LOAD BANK PRODUCTS, REQUEST A QUOTE, IN-STOCK LOAD BANKS, INDUSTRY LINKS, and LBD NEWS. The main text area states: 'Instruction manuals, outline drawings, monitoring & logging software, drivers and sales brochures are available for download. Please select a product category below.' Below this, there are links for 'Type LP Portable Load Banks', 'Type LS Stationary Load Banks', 'Type LD Duct Mounted Load Banks', 'Type LT Trailer Mounted', and 'Software & Drivers'. A large red arrow points to the 'Software & Drivers' link. The footer contains contact information, resources, information for various companies, legal notices, and a UL LISTED logo.

Home > Resource Center

LBD Resource Center

Instruction manuals, outline drawings, monitoring & logging software, drivers and sales brochures are available for download. Please select a product category below:

- [Type LP Portable Load Banks](#)
- [Type LS Stationary Load Banks](#)
- [Type LD Duct Mounted Load Banks](#)
- [Type LT Trailer Mounted](#)
- [Software & Drivers](#)

CONTACT
1452 Donaldson Highway
Erlanger, KY 41018
Phone: 1-855-LBD-CALL
International: 859-554-1534
Fax: 859-554-2530
sales@loadbanksdirect.com

RESOURCES
[Derating Tool](#)
[Resource Center](#)
[Buyers Guide](#)
[Best Practices](#)
[Gen Set Reliability](#)
[Load Bank Basics](#)

INFORMATION FOR
GenSet Dealers
OEMs
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UL LISTED

Click on Multilog Logging Software

The screenshot shows the Load Banks Direct website in a web browser. The browser's address bar displays the URL <https://www.loadbanksdirect.com/software-drivers>. The website has a dark blue header with the LBD logo and navigation links: OVERVIEW, CONTACT, and ABOUT. A search bar is also present. On the left side, there is a vertical menu with links: HOME, LOAD BANK PRODUCTS, REQUEST A QUOTE, IN-STOCK LOAD BANKS, INDUSTRY LINKS, and LBD NEWS. The main content area is titled "Software & Drivers" and lists downloads for the M850 Digital Meter. A red arrow points to the "MultiLog Logging Software" link. The footer contains contact information, resources, information for various users, legal notices, and a UL LISTED logo.

Load Banks Direct - Software Drivers

<https://www.loadbanksdirect.com/software-drivers>

LOAD BANKS DIRECT

OVERVIEW CONTACT ABOUT

Search LBD

Home > Software & Drivers

Software & Drivers

Downloads are available for the M850 Digital Meter:

[MultiView EX Setup Software](#)

MultiViewEX allows quick access to the M850's internal

[MultiLog Logging Software](#)

MultiLog is a Windows application that monitors and logs whilst logging or viewed historically.

[Multi-Power Meter Quick Start Guide M850](#)

e stored and displayed

HOME

LOAD BANK PRODUCTS

REQUEST A QUOTE

IN-STOCK LOAD BANKS

INDUSTRY LINKS

LBD NEWS

CONTACT

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Phone: 1-855-LBD-CALL
International: 859-554-1534
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sales@loadbanksdirect.com

RESOURCES

[Derating Tool](#)
[Resource Center](#)
[Buyers Guide](#)
[Best Practices](#)
[Gen Set Reliability](#)
[Load Bank Basics](#)

INFORMATION FOR

GenSet Dealers
OEMs
GenSet Service Companies
Rental Companies

LEGAL

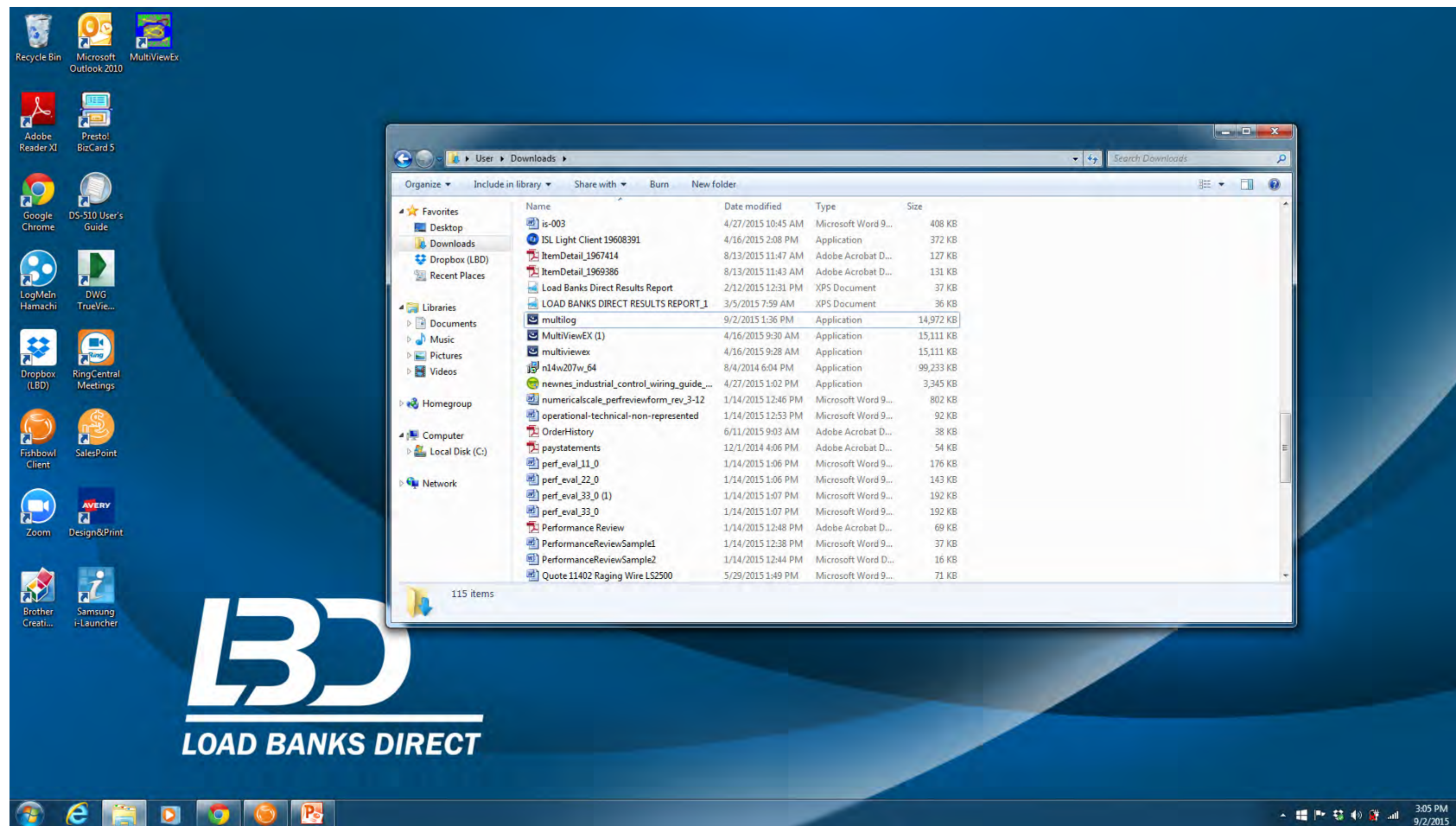
[Privacy Policy](#)
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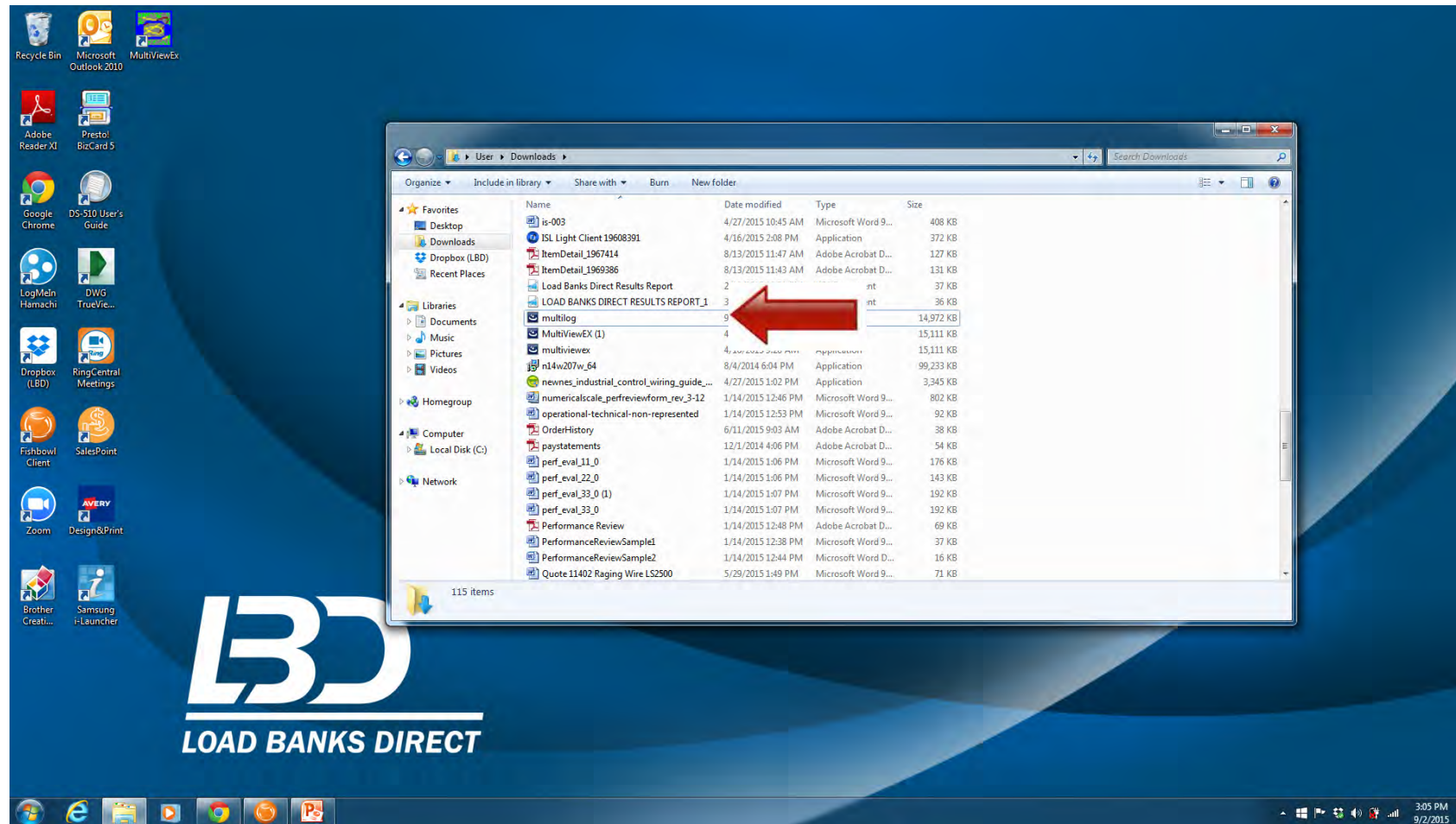
UL LISTED

2:51 PM
9/2/2015

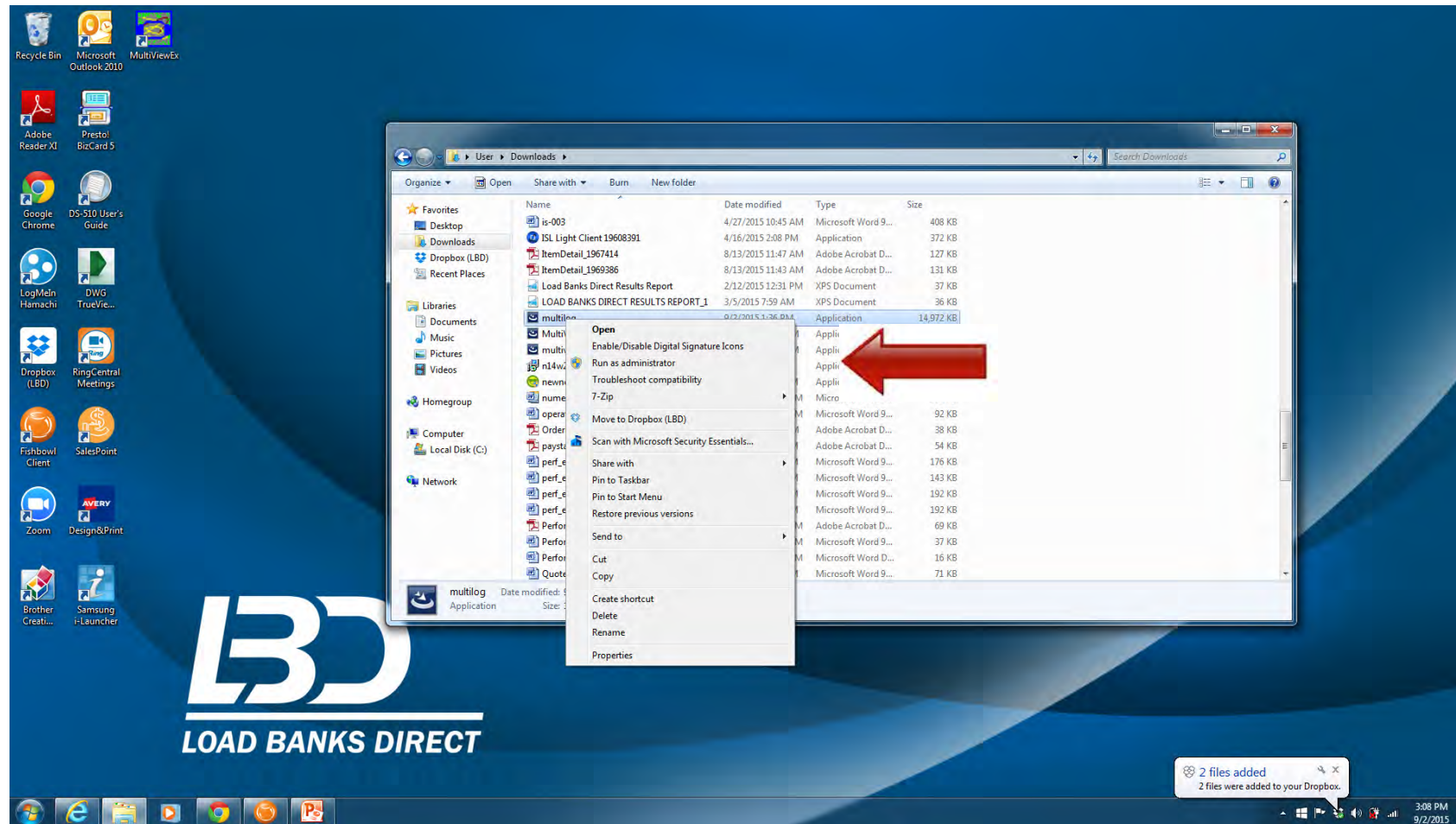
Go to Computer Download File



RIGHT CLICK on Multilog



Click on Run as Administrator



Installing Software

- Click YES to allow program to make changes to computer
- After installation go to Microsoft Start Button and Open MULTILog software
- Important: Next you must right click on Multilog icon, then right click on Multilog to select “Run as Administrator.”
- Once the Multilog opens you must select Settings tab, then Communication tab to access Port Settings. Port Settings must match your computer USB port connected to the power meter. Settings will not necessarily match what is displayed on the next page. To identify your computer’s port settings, go to Control Panel, select Device Manager then Ports.

Project Settings

Step 1: Right Click

Step 2: Fill out the optional project details

Step 3: Select the logging frequency and duration.

The screenshot shows the NewLog - Multilog software interface. The main window displays a graph with a y-axis ranging from 0% to 120% and an x-axis showing time. A context menu is open, showing options like Project Settings, Graph Settings, Communications, Hide Project Details, Maximize Graph, Absolute Y Scale, Log View, Data View, Start Data Retrieval, Enable Logging, Print..., and Print Preview. The Project Settings dialog box is open, showing the Project Description tab. The dialog box has fields for Project Name (100 characters max), Project Start Date (Day, Month, Year), Project End Date (Day, Month, Year), Brief Project Description (100 characters max), and Full Project Description (1000 characters max). The Logging Setup tab is also shown, with fields for Log Frequency (1 Sec) and Log Duration (1000 Sec). The Log Frequency and Log Duration fields are highlighted with yellow and green circles respectively. The Log Frequency field is also highlighted with a yellow circle. The Log Duration field is also highlighted with a green circle. The Log Frequency field is also highlighted with a yellow circle. The Log Duration field is also highlighted with a green circle. The Log Frequency field is also highlighted with a yellow circle. The Log Duration field is also highlighted with a green circle.

Project Name: Put the Project Name here
Project Description: Put a BRIEF Project Description here (is displayed)

Project Start Date: 29/10/2015
Project End Date: 29/10/2015

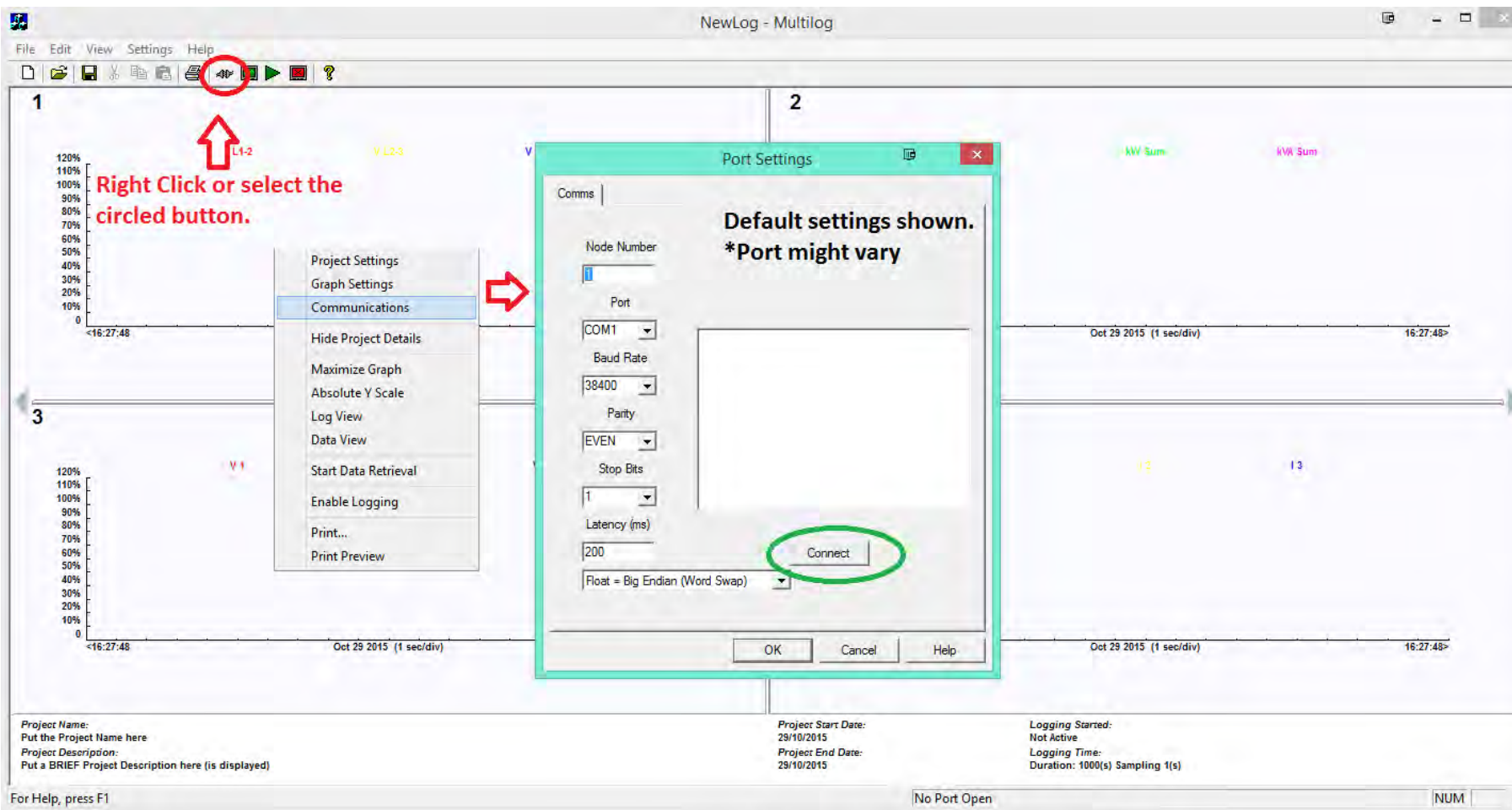
Logging Started: Not Active
Logging Time: Duration: 1000(s) Sampling 1(s)

For Help, press F1

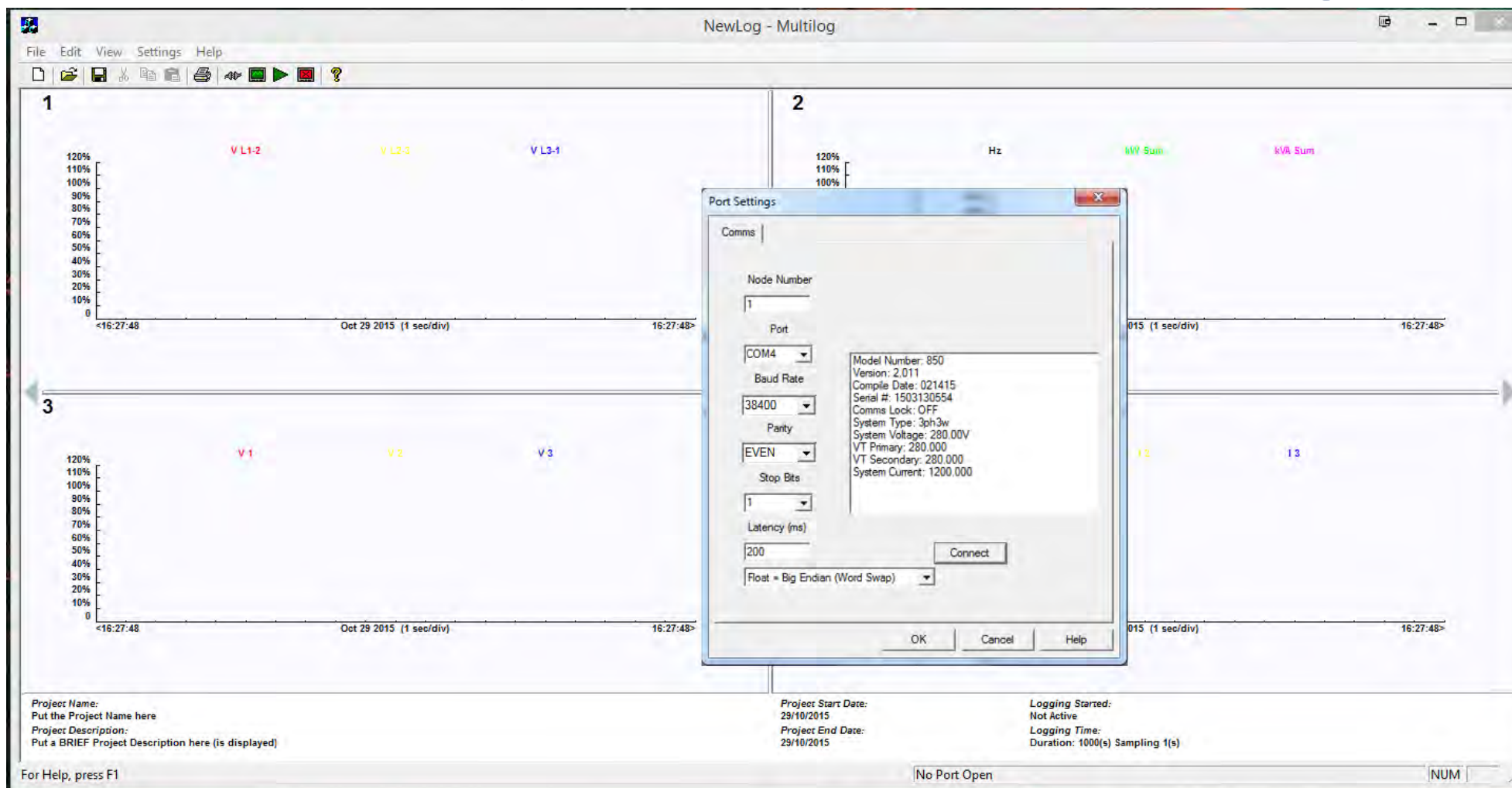
No Port Open

NUM

Port Settings



Once connected, you should have the following



Graph Settings

- Right click, select Graph Settings to access the graph preferences. The next page shows typical “Real Time” settings to display available load test data. This screen settings are user friendly and can be changed to operator preference.
- The time base unit is the total length of the X axis. I.E. to see one hour in 1 second log intervals, enter 3600.
- The X divisor is the Graph display interval (not the logging interval). If $X = 20$, a point will display every 20 log intervals.
- Double click any graph to maximize it on the screen

Graph Settings

The screenshot shows the NewLog - Multilog software interface. The main window displays three graphs (1, 2, 3) with various settings. A red arrow points from the 'Graph Settings' option in the context menu to the dialog box.

Graph Settings Dialog Box:

Graph	Trace 1	Trace 2	Trace 3	Y - Axis	Y Scale	Mode	X - Axis
Graph 1	V L1-2	V L2-3	V L3-1	Grid On Centre Zero	300 Relative Scale	Real Time Log Mode Graph Text	Grid On Time Base Unit: 20 X Divisor: 1 Enable
Graph 2	Hz	kW Sum	kVA Sum	Grid On Centre Zero	300 Relative Scale	Real Time Log Mode Graph Text	Grid On Time Base Unit: 20 X Divisor: 1 Enable
Graph 3	V 1	V 2	V 3	Grid On Centre Zero	300 Relative Scale	Real Time Log Mode Graph Text	Grid On Time Base Unit: 20 X Divisor: 1 Enable
Graph 4	I 1	I 2	I 3	Grid On Centre Zero	300 Relative Scale	Real Time Log Mode Graph Text	Grid On Time Base Unit: 20 X Divisor: 1 Enable

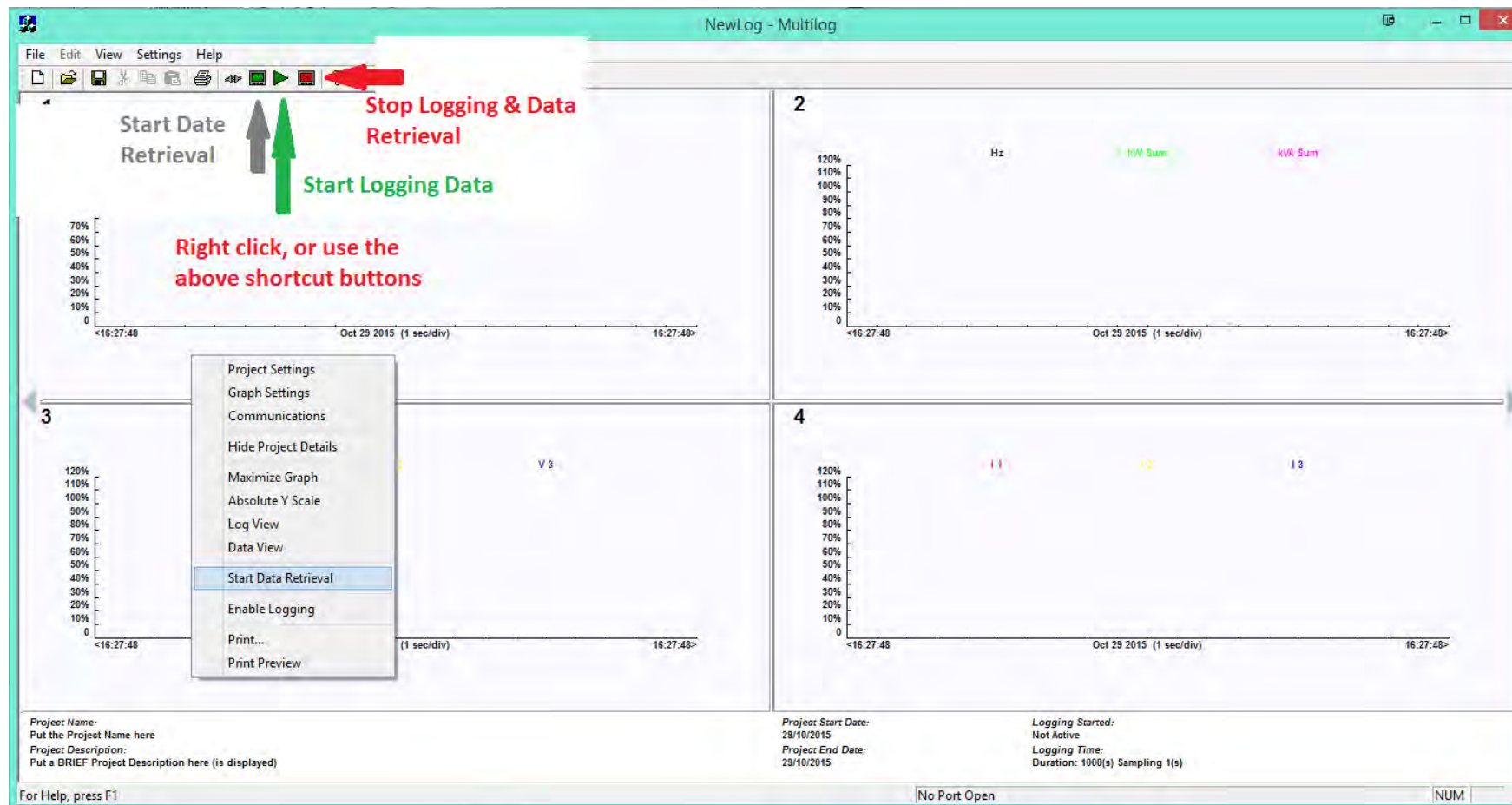
Project Information:

- Project Name: Put the Project Name here
- Project Description: Put a BRIEF Project Description here (is displayed)
- Project Start Date: 29/10/2015
- Project End Date: 29/10/2015
- Logging Started: Not Active
- Logging Time: Duration: 1000(s) Sampling 1(s)

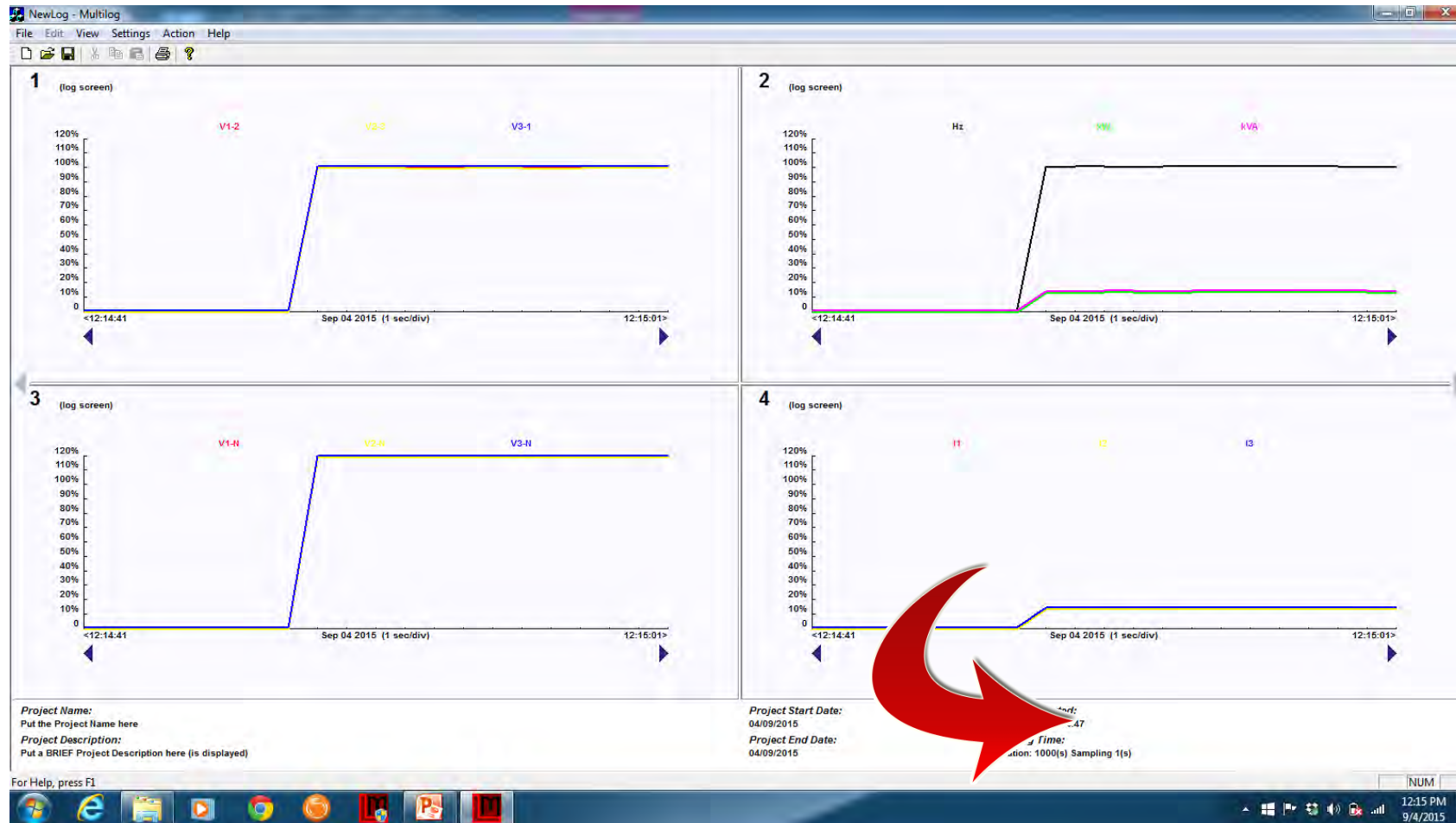
For Help, press F1

Data Logging

- Right click on screen to pull up menu
- Click on Start Data retrieval
- Click on Enable Logging

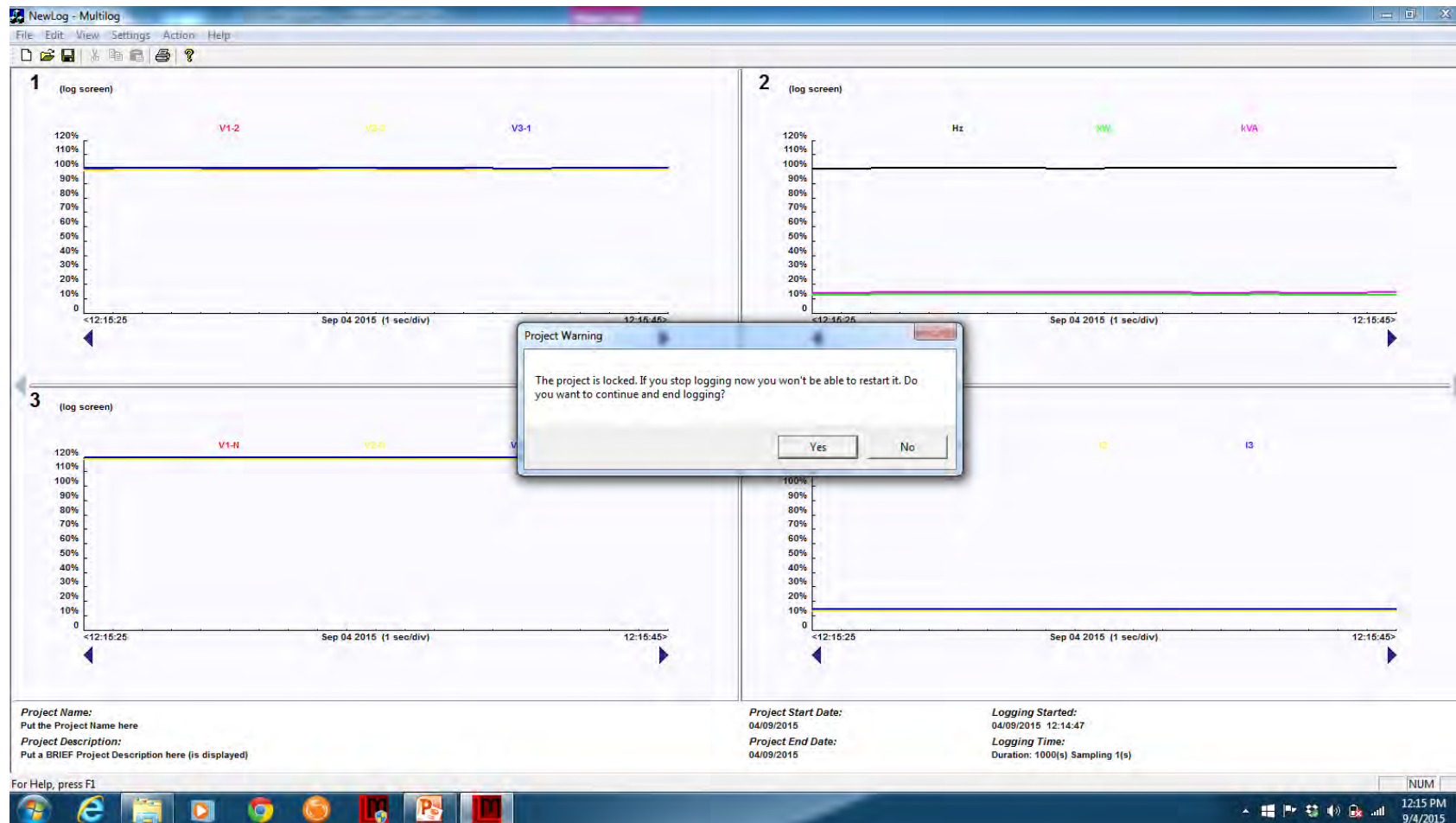


Screen should indicate logging started

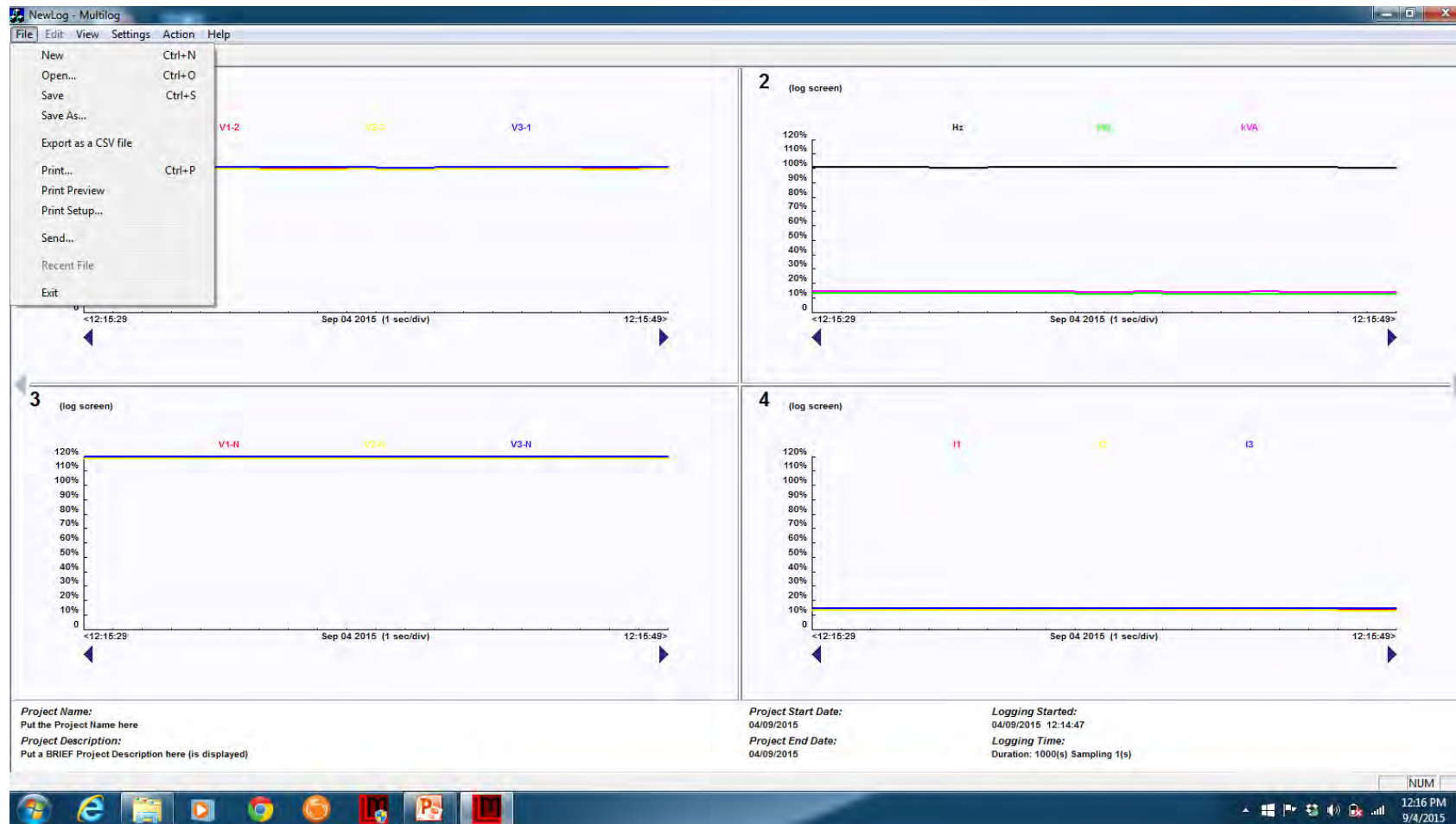


End Data Logging

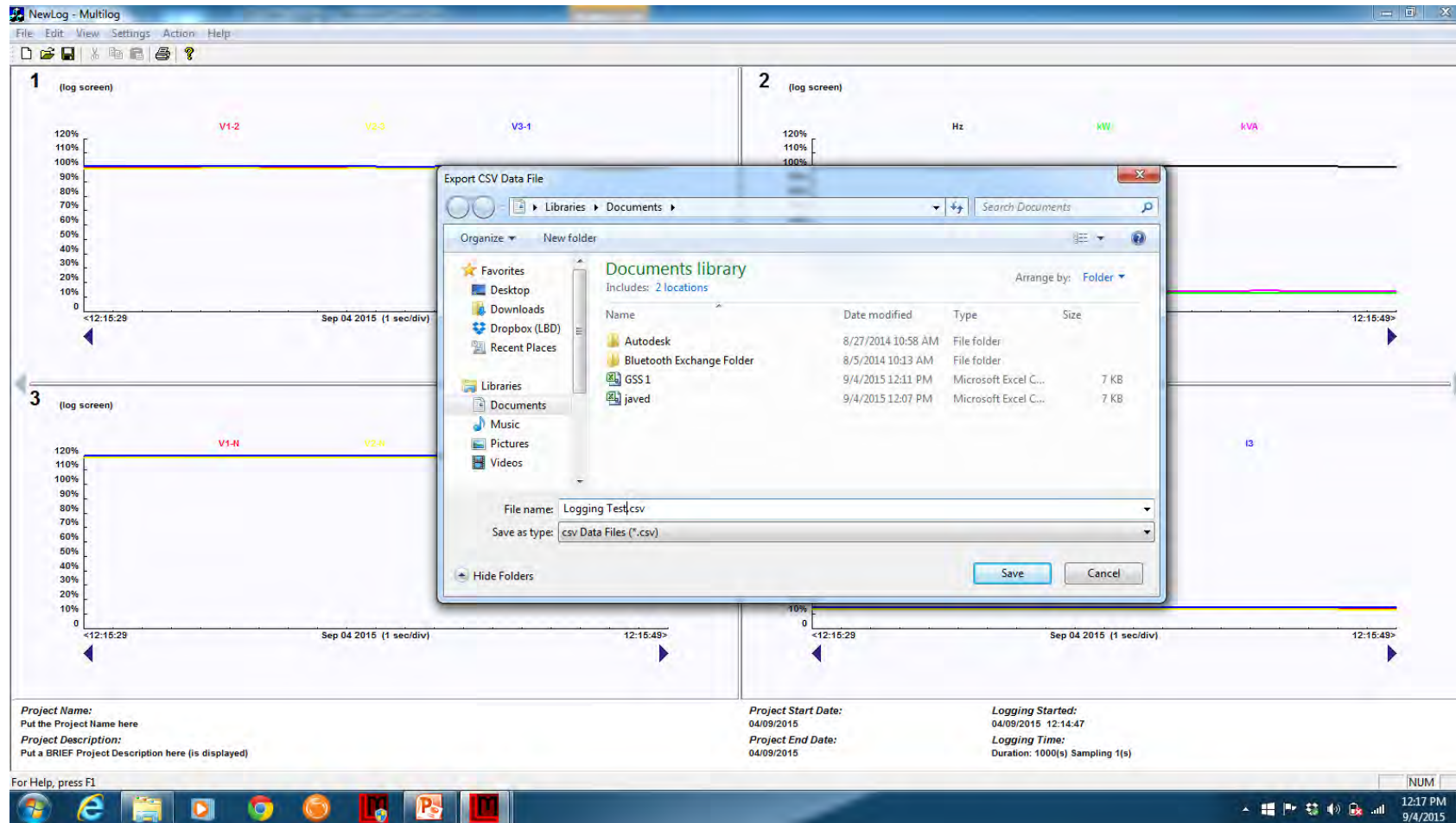
Click on Stop Data Retrieval
Click Yes



Export Data to CSV File



Save file as CSV



Open File

Logging Test - Microsoft Excel

FileHomeInsertPage LayoutFormulasDataReviewView

CutCopyFormat Painter

Paste

Clipboard

Calibri11

Font

Alignment

General

\$ % , ' 00 00

Conditional Formatting as Table

Number

NormalBadGood

NeutralCalculationCheck Cell

Styles

InsertDeleteFormat

Cells

AutoSumFillClear

Sort & Find & Filter & Select

Editing

A1Put the Project Name here

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
13	Sep 04 201	483.8	483.5	483.5	483.8	483.5	483.5	160.3	160.8	161.4	134.6	134.7	3.41	1	79	2	60.23	134.5	134.6	482.1	0	180.4	180.4	1302
14	Sep 04 201	483.7	483.6	483.5	483.7	483.6	483.5	160.2	160.9	161.1	134.6	134.6	3.406	1	79	2	60.2	134.5	134.6	482.1	0	180.4	180.4	1302
15	Sep 04 201	483.8	483.6	483.6	483.8	483.6	483.6	160.1	160.8	161.2	134.5	134.5	0	1	79	2	60.24	134.5	134.6	482.1	0	180.4	180.4	1302
16	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160.4	161.1	160.9	134.6	134.6	0	1	79	2	60.24	134.5	134.6	482.1	0	180.4	180.4	1302
17	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160.6	160.7	161.2	134.7	134.8	0	1	79	2	60.23	134.5	134.6	482.1	0	180.4	180.4	1302
18	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160.2	161.2	161.2	134.6	134.7	0	1	79	2	60.21	134.5	134.6	482.1	0	180.4	180.4	1302
19	Sep 04 201	483.7	483.6	483.5	483.7	483.6	483.5	160.1	161.1	161.3	134.6	134.6	3.463	1	79	2	60.19	134.5	134.6	482.1	0	180.4	180.4	1302
20	Sep 04 201	483.7	483.5	483.5	483.7	483.5	483.5	160.1	160.6	160.8	134.3	134.4	3.407	1	79	2	60.19	134.5	134.6	482.1	0	180.4	180.4	1302
21	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160.3	160.9	161.2	134.6	134.6	0	1	79	2	60.22	134.5	134.6	482.1	0	180.4	180.4	1302
22	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160.3	160.9	161.2	134.6	134.6	0	1	79	2	60.22	134.5	134.6	482.1	0	180.4	180.4	1302
23	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160	160.4	160.6	134.1	134.2	0	1	79	2	60.24	134.5	134.6	482.1	0	180.4	180.4	1302
24	Sep 04 201	483.8	483.5	483.5	483.8	483.5	483.5	160	160.7	161	134.4	134.5	3.394	1	79	2	60.19	134.5	134.6	482.1	0	180.4	180.4	1302
25	Sep 04 201	483.8	483.6	483.5	483.8	483.6	483.5	160.2	161	161.1	134.5	134.6	0	1	79	2	60.22	134.5	134.6	482.1	0	180.4	180.4	1302
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27	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160	160.1	161.3	134.2	134.3	3.432	1	79	2	60.26	134.5	134.6	482.1	0	180.4	180.4	1302
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30	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160	160.4	161	134.3	134.3	3.371	1	80	2	60.2	134.5	134.6	482.1	0	180.4	180.4	1302
31	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160.1	160.3	161.1	134.3	134.3	0	1	80	2	60.2	134.5	134.6	482.1	0	180.4	180.4	1302
32	Sep 04 201	483.8	483.6	483.5	483.8	483.6	483.5	160	161	161.3	134.6	134.6	0	1	80	2	60.2	134.5	134.6	482.1	0	180.4	180.4	1302
33	Sep 04 201	483.7	483.5	483.5	483.7	483.5	483.5	160.2	161.1	161.7	134.8	134.9	3.656	1	80	2	60.19	134.5	134.6	482.1	0	180.4	180.4	1302
34	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160.2	161.3	161.2	134.8	134.8	0	1	80	2	60.23	134.5	134.6	482.1	0	180.4	180.4	1302
35	Sep 04 201	483.8	483.6	483.6	483.8	483.6	483.6	160.1	160.6	161.1	134.5	134.5	3.484	1	80	2	60.2	134.5	134.6	482.1	0	180.4	180.4	1302
36	Sep 04 201	483.8	483.5	483.6	483.8	483.5	483.6	160	160.6	161.1	134.4	134.5	0	1	80	2	60.24	134.5	134.6	482.1	0	180.4	180.4	1302
37	Sep 04 201	483.8	483.4	483.6	483.8	483.4	483.6	160.3	159.9	160.8	134.1	134.2	0	1	80	2	60.26	134.5	134.6	482.1	0	180.4	180.4	1302
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40	Sep 04 201	483.9	483.5	483.6	483.9	483.5	483.6	160.3	161.1	161.3	134.7	134.8	0	1	80	2	60.25	134.5	134.6	482.1	0	180.4	180.4	1302
41	Sep 04 201	483.7	483.5	483.5	483.7	483.5	483.5	160.2	160.5	161	134.4	134.4	3.393	1	80	2	60.21	134.5	134.6	482.1	0	180.4	180.4	1302
42	Sep 04 201	483.8	483.6	483.5	483.8	483.6	483.5	160.2	160.7	160.8	134.4	134.5	3.387	1	80	2	60.2	134.5	134.6	482.1	0	180.4	180.4	1302
43	Sep 04 201	483.8	483.6	483.5	483.8	483.6	483.5	160.2	160.7	160.8	134.4	134.5	3.387	1	80	2	60.2	134.5	134.6	482.1	0	180.4	180.4	1302
44	Sep 04 201	483.8	483.4	483.5	483.8	483.4	483.5	160	161.1	161.5	134.7	134.7	0	1	80	2	60.19	134.5	134.6	482.1	0	180.4	180.4	1302

ReadyLogging Test100%9/4/201512:18 PM