

SECTION 18

Tricks and Features of the Data Viewer

Dan Woodruff
Sciencetech, LLC

Tricks and Features of the Data Viewer

Dan Woodruff
Software Engineer
Scientech, LLC

June 2005



2005 Performance Software User's Group Meeting



Tips and Tricks

The Intent –

- ❖ Beginner, Intermediate and Advanced User can benefit
- ❖ Common verses never seen

Tips and Tricks

- ❖ Common Misunderstandings when asked
 - Multiple Views
 - ✓ Cascading and Tiles
 - Multiple MMI's on the same box

Tips and Tricks

- ❖ ...I would like to see more numerical precision on the display and I'm not a display builder...
 - Right click on the numerical value field 'Change Display Format'

Tips and Tricks

- ❖ Using Alt 2-4-8 on the Numeric Key Pad will print out a degree symbol '°'

Tips and Tricks

- ❖ That big ole MMI.ini file (Scary?)
 - Ever seen it without comments?

Tips and Tricks

- ❖ Why does this new menu not work like my old menu structures?
 - Add a custom menu for a smooth transition
 - Reserve some of your function keys to the user to apply their own on the fly (.u2) files

Tips and Tricks

- ❖ Oh no! I just closed my Data Viewer
 - Batch files with .u2 files
 - Command line options
 - I had 4 windows open, now I have to open each one ...

Tips and Tricks

- ❖ Ever wanted to know where your at?
 - Combo Entity Button highlighting

Tips and Tricks

- ❖ Where do the arrows go?
 - Right click 'Show Page Linkage' to show navigation (up, down, left, right) without navigation

Tips and Tricks

- ❖ Oh do I wish my displays came up quicker...
 - Shape cache settings

Tips and Tricks

- ❖ So many files ...ugh!
 - RTIMEWMMASTER
 - Network INIs

Tips and Tricks

- ❖ I have to enter many points into the Point Pick List and I hate to use the mouse...!
 - Use the keys on the keyboard with new focusing feature

Tips and Tricks

- ❖ I have to change the range of my large trends and it keeps refreshing after each one...
 - Use the pause and resume feature

Tips and Tricks

- ❖ I 'm trending a value and there was a “hiccup” in the value. I just want to see the general area
 - Hold “Shift” and put a box around it. This will zoom in

Tips and Tricks

- ❖ I want to have multiple durations on a single trend.
Can I?
 - \$CALC used as start time on trends

Tips and Tricks

- ❖ I would like to toggle manual or automatic ranges on my trend, how?
- ❖ And, Can I toggle the shape markers?

Tips and Tricks – Display Builder

- ❖ Have you ever wanted to turn off the Display Builder's open dialog?
 - Disable the open dialog in the Display Builder
 - ✓ “Turnoff_InitDlg”

Tips and Tricks – Display Builder

- ❖ So what are the points used on this display?
 - View points menu option
 - Builder
 - ✓ n option, creating a name file

Tips and Tricks – Display Builder

- ❖ What is \$OUTPUT and \$STRING used for? are the points used on this display?

Tips and Tricks – Display Builder

- ❖ What were those special strings again for buttons
 - Commonly used -

\$PRINT	Prints the window containing the entity.
\$PAGEUP	Changes to the display in the Page Up field of the display header.
\$PAGEDOWN	Changes to the display in the Page Down field of the display header.
\$PAGELEFT	Changes to the display in the Page Left field of the display header.
\$PAGERIGHT	Changes to the display in the Page Right field of the display header.
\$PREVIOUS	Changes to the display that was viewed prior to the one currently displayed.
\$TOPLEVEL	Changes to the display specified in the MMI Configuration File as the "top level" display.
\$REMOVEMENU	Toggles the menu and title bar on and off.

Tips and Tricks – Display Builder

- ❖ If all of your displays are now version 4.0+
 - You can change the color pallet to customize your display building default colors