

# How to use myView2

## How to use myView2

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### 1. Introduction

“myView2” is a successor model of “myView”. It has been extended colors for the map, and added more flexible zoom function. However, this new model “myView2” has NOT compatibility to load the configuration file from the older system “myView”.

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## 2. Operating environment

The myView2 is a Python script, installing Python 2.6, or 2.7 is necessary to run this program. We recommend [Enthought Canopy](#) as the analysis environment to explore, develop, and visualize on.

<https://www.enthought.com/products/canopy/>

After downloaded the Enthought Canopy, it came in a zip file. This zip file comes with a setup program, so you need to unzip the file.

Confirm that your system needs the system requirements before starts as follows;

wxPython is for GUI, and matplotlib is for drawing graphs.

Operating system support

- CentOS 6.5 (x86\_64)+ Enthought Canopy 1.4.0
- Windows 7 64bit + Enthought Canopy 1.5.1
- MacOS X 10.9.2 + Enthought Canopy 1.6.1

*If you are on MacOS X, please update the [wxPython](#) at Package Manager on Canopy application.*

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## 3. Start-up

You have all done with processing completed until gets here. Find a [mVview2.py](#) file, double click the file will setup the Canopy program. From the *editor Canopy*, go to the *menu bar*, *Run > Run File* will start-up *myView2* file.

From the command prompt as follows:

For Linux, MacOS

```
python myView2.py [option] [layout file]
```

- -d / --debug: debug ON
- -l / --log: create a log file
- -m [12345] / --message-level=[12345]:

A small number brings more details in a message.

☺ -a:


A parameter to use when the program has the ABEND (automatically used CallAfter).

(e.g.)

```
python myView2.py -l -m 1 C:\TEMP\myView2\samples\wp.mvd
```

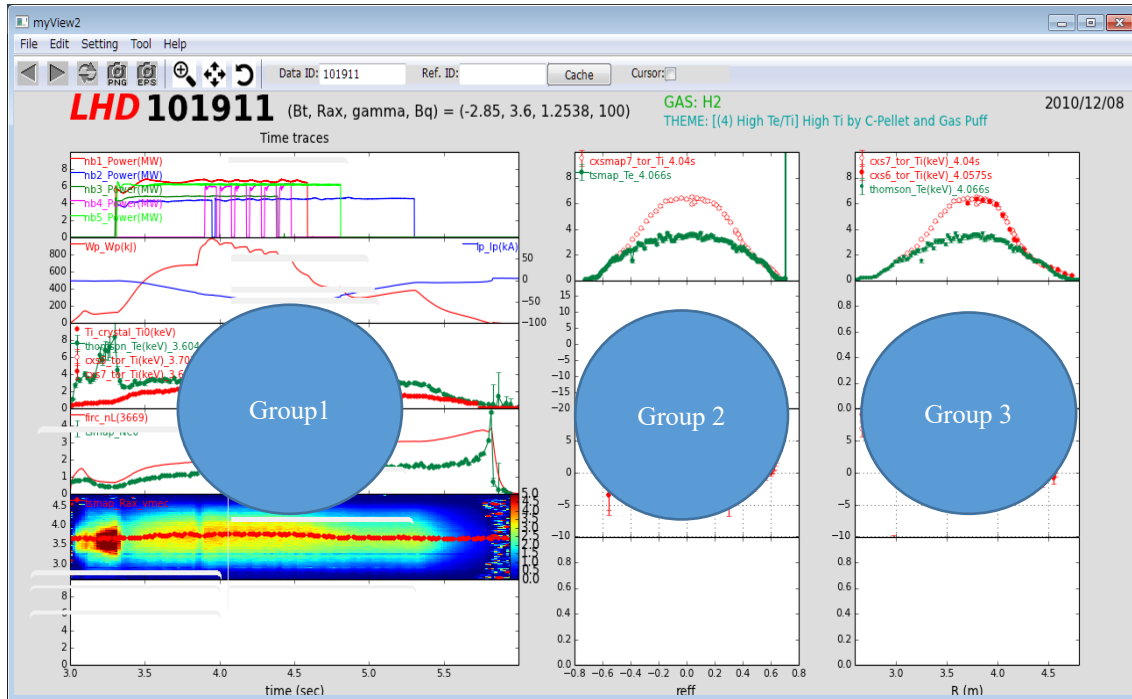
## 4. Basic usage

### 4-1. Menu Bar - Basic usage

When the application start running, click  to open up a data file. A graph sheet is set in an initial layout file "plot\_default.txt".

\*Initialization files and setting printers are set in "config.txt".

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**Figure 1 Menus and Dialog Boxes**

In a main screen, a default layout shows that there are three groups of figures. Each one of group can be divided into small panels for drawing graphs. In this default screen, it shows that there 3 groups, 14 panels, and 25 graphs (see Fig.1).

These groups have a constant value with the horizontal axis, and they can be divided into a plurality of panels of  $n$  rows  $\times$   $m$  columns. Groups, panels, and graphs are numbered in order they appear by define data. Numbers for the graphs are developed in the order defined, graphs are described as traces on this system. These are useful for when you want to set the vertical axis, and specify whether you want to draw for the graph.

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## ☺ Input the shot number

You can choose a shot number (Data ID) on the tool bar, and for reference number too. This is to determine whether to plot the data of any shot number.

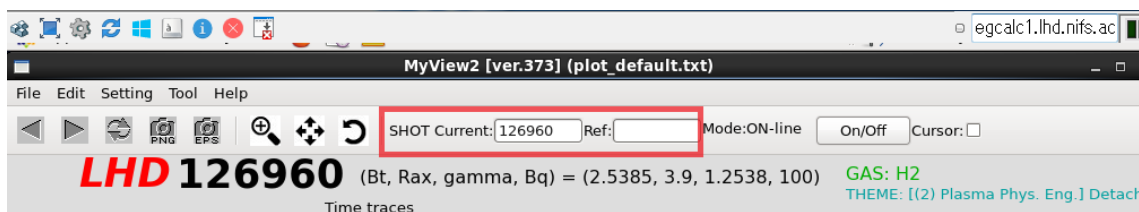


Figure 2 Shot Number

## ☺ Drawing

Reloading button / rotating two arrows

This is a basic function that you need to press this button every after time when you enter the shot number.

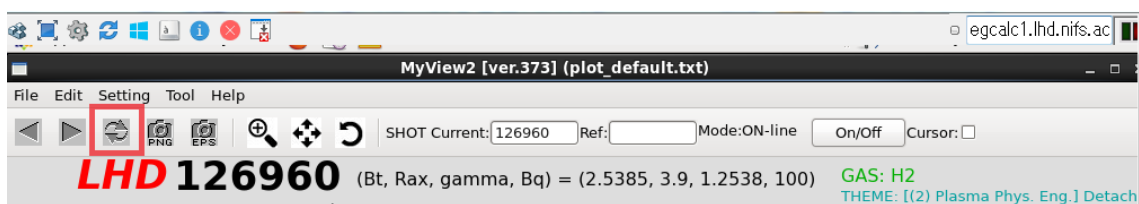


Figure 3 Drawing

## ☺ Mode: ON-line

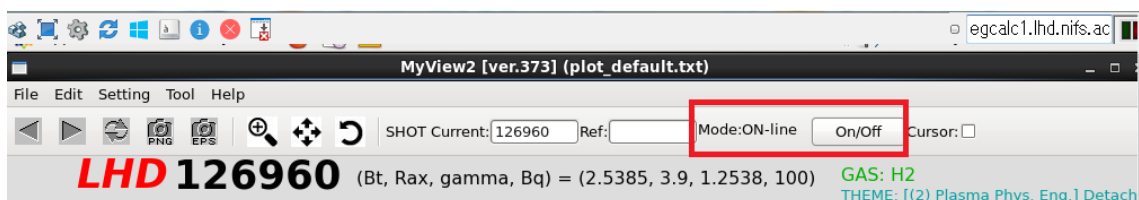


Figure 4 Mode ON/OFF

This is to change the operation for acquisition of the data location. Each time when you press this key, changes acquisition operation into a cache folder or into an analysis server to find a data.

You might want to restore the updated data to the cache folder, you need to access to the analysis server by pressing its ON. The cache folder will be overwritten and erase the previously existing data, and save it automatically. However if you are not connecting to the LHD-LAN (the analysis server), OFF mode will be useful to run the program.

Each operation is as follows;

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- ON Line** to get a data in the analysis server, connecting to the network (the analysis server)
- OFF Line** to get a data in the cache folder, not connecting the network.

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## ☺ **Cache folder**

You need to access to the analysis server by pressing it ON when you want to restore the latest data to a cache folder. It will be overwritten and save it automatically.

However if you are not connecting to the LHD-LAN (the analysis server), OFF mode will be useful to run the program.

## ☺ **Other Settings**

**File>Open** Open up a layout file

**File>Save** Save a layout file

**File>Export** Outputs a data in txt.

*A profile name@shot number-module name\_Z axis variable name.txt*  
(e.g. *cxs7\_tor\_map@129755-cxs7\_tor\_Ti.txt*)

**File>Print** Save the graph in PostScript format.

**File>Quit** Quit a program

**Edit>Copy** Copy a graph to the clipboard.

### **Setting > Group and Trace**

Customize setting for Group, panel, and drawing data.

### **Setting > Legend**

Setting the legend objects of the graph.

**Setting > Folder Path** Set the path

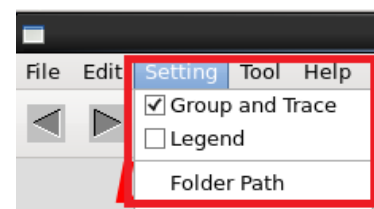


Figure 5 Setting menu

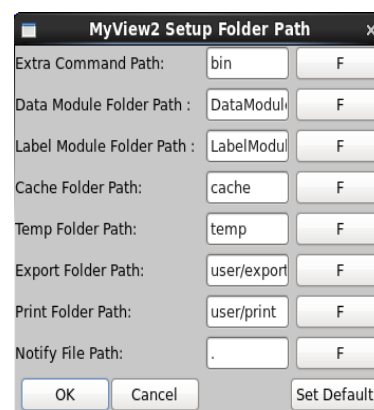


Figure 6 Path setting

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## ☺ Batch Processing

### Tool > Batch

Specify the shot number for drawing continuously.

**Data ID:** Shot number

**Create PDF:** To make PDF

**Print:** To print

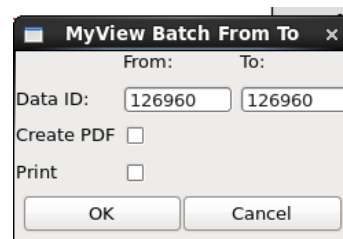
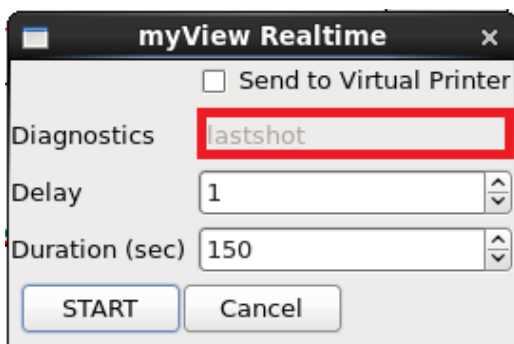


Figure 7 Batch Process

## ☺ Real Time



### NOTE:

Please do NOT use “lastshot” when you send to a printer. Choose an acceptable one if you want to use a printer when checked the box for “send to Virtual Printer”.

Check the available printer from the following address;

Figure 8 Realtime

[http://kaiseki-dev.lhd.nifs.ac.jp/rails/virtual\\_printer/virtual\\_printer/virtual\\_printer](http://kaiseki-dev.lhd.nifs.ac.jp/rails/virtual_printer/virtual_printer/virtual_printer)

### Tool > Notify

To run the command of the file which named A Notify.txt of configuration files.

### Tool > Server

Change to a client mode that the operating program will be switched.

### Tool > Realtime

To get a data when its synchronized the experimental sequence, and draw a graph.

**Diagnostics:** measuring equipment, devices, etc.

**Delay:** specify the number to be displayed later than the current shot.

**Duration:** display duration time



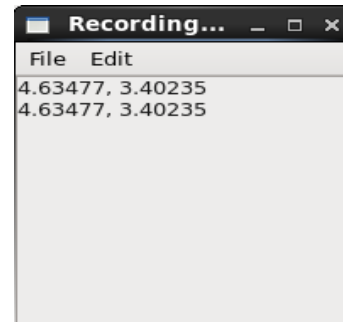
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## Tool > Recorder

Coordinates will be added to the Recorder dialog when you click.

**File > Save**      save contents

**Edit > Clear**    delete contents



**Figure 9 Recording**

**Tool > Cache Clear**    Delete the cache folder

**Tool > Module Reload** Reload

**Help > About**            Version Information, How to use

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## 4-2. Layout setting for groups- Basic usage

From the menu bar, Setting > Group and Trace to customize your graph layout.

A defined list for groups and panels will be appeared. So you can edit a title's text, size of the group, color, and more.

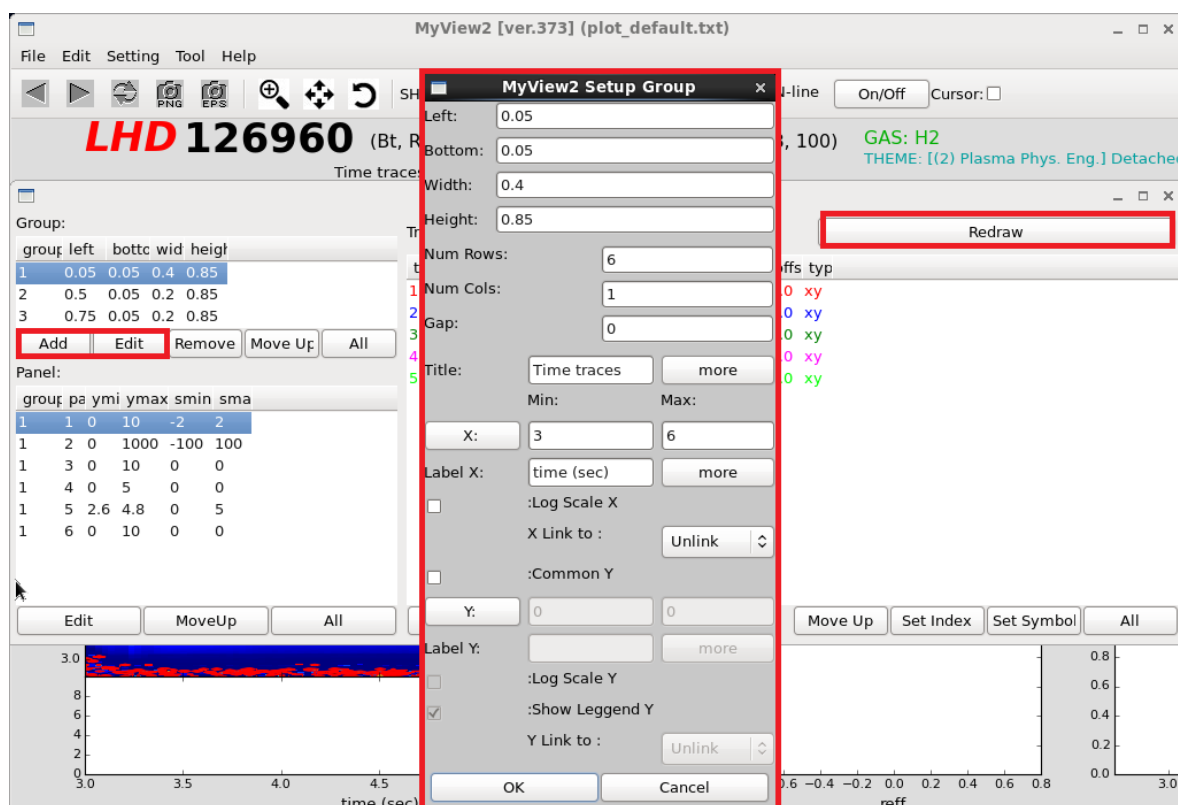


Figure 10 Setting group and trace

**Add / Edit:**      *Add.* > *OK* > *Redraw*:      To add a new group.

If you want to copy a layout design from a one of them,  
*Choose one that you want to copy from the list* > *Add* > *OK*. >  
*Redraw*  
And then, arrange whatever you like.  
Press *Redraw* to confirm the review.

**Remove:**      Remove a group from the list

**Move Up:**      Move up a group on the list

**All:**      Select a whole list

**Redraw:**      Redraw the graph

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*Please make sure to **Redraw** to see the result every time you edit or change (layout, changing values for axis, etc.)*

## Customize layout

The edit dialog is to configure the display area which is specified a rectangle of the coordinate graph from the lower-left to the upper-right corner.

The coordinate graph is a relative in the whole screen which has lower left (0.0 and 0.0) to the upper right (1.0 and 1 position.0). Within the group area can be divided into a plurality of panels.

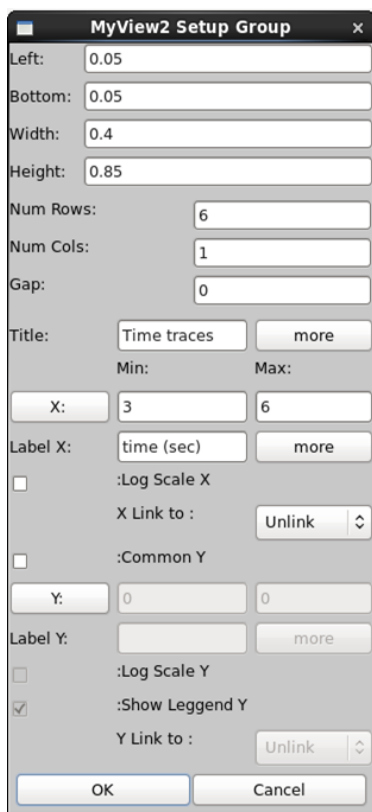


Figure 11 Add and edit

**Num Rows:** A number for rows

**Num Cols:** A number for columns

**Gap:** A space between the panels

**Title:** A title for a group / panels.

**X:** X axis values

**Label X:** X axis label

**Log Scale X:** Logarithmic scale

**X Link to:** Link to the other group to represent the graph to be on the same X axis values when you set min and max of X value.

**Common Y:** If you checked this box, value of the Y axis for all the panel of this group will represent into the same Y axis values.

Change Font Typefaces, Weight, Style, Color and Sizes in title, Fig.11 will be appeared when you select **More** of the title.

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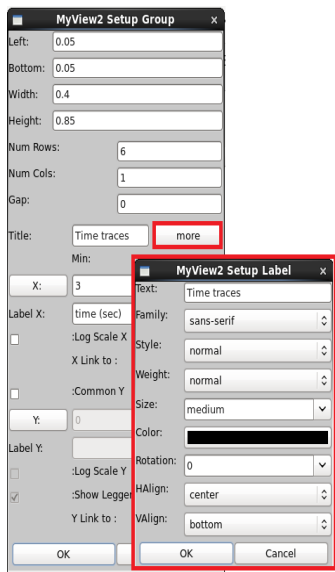


Figure 12 More for a title

- Text:** A title
- Family:** font family
- Style:** character of style
- Weight:** thickness of the character
- Size:** size of the character
- Color:** color of the character
- Rotation:** to locate a title
- HAlign:** display position for a title (the horizontal direction)
- VAlign:** display position for a title (the vertical direction)

Press OK > Redraw

Change X axis label; this example shows how to change the style (font size, color, etc.) of X axis label.

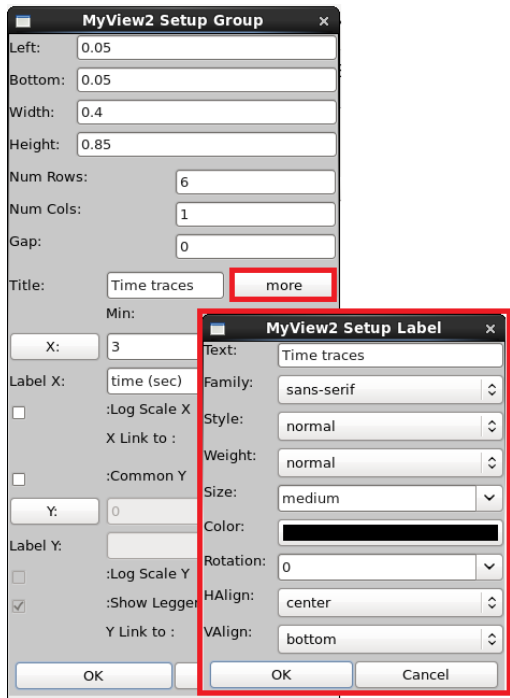
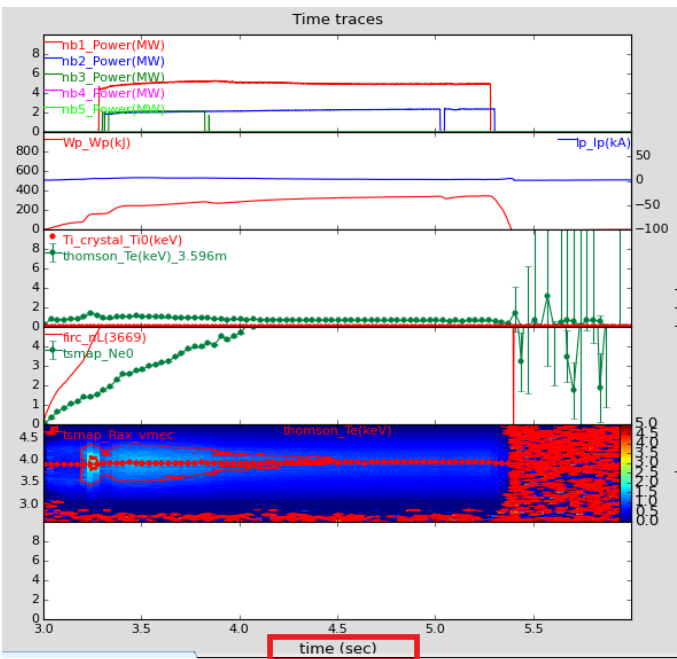


Figure 13 Change X axis label



After 13

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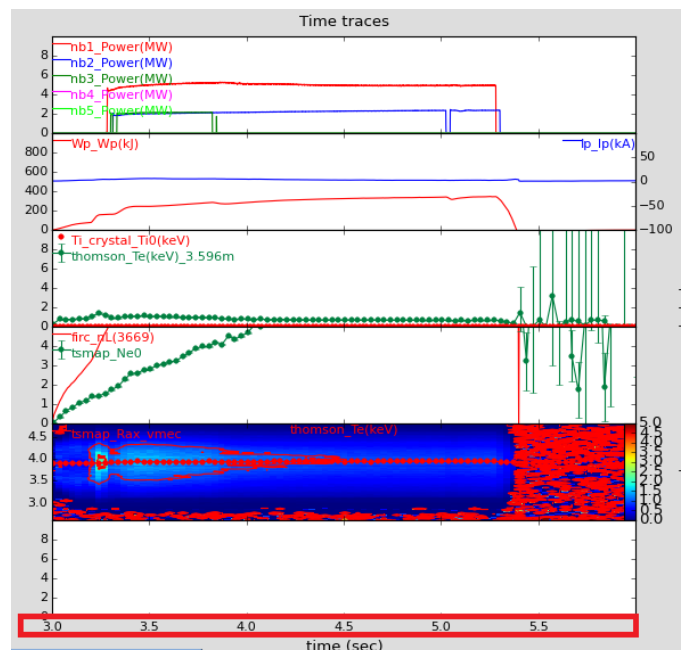
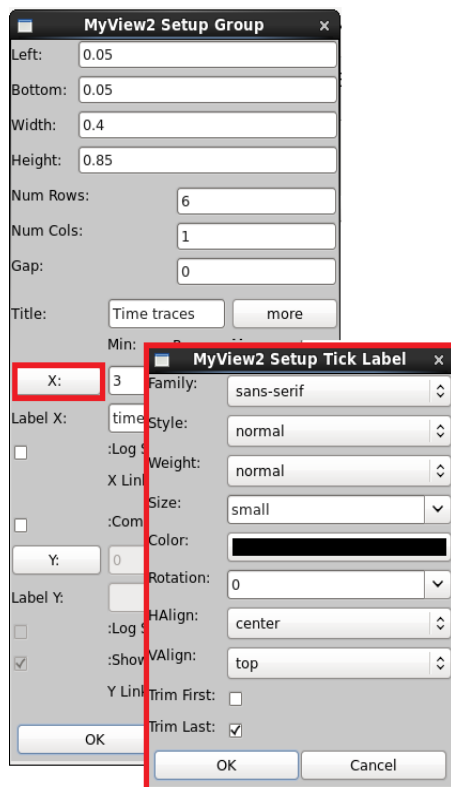
The myView2 shows stacking multiple plots, vertically with the same X axis with different Y axis.

When you set the same values for X min and X max, the drawing data will automatically set to match the graph.

As you see this example below, it's a stacked on separate graphs with the same X axis, but each panel has unique values for Y axes.

**Change X axis Tick Values;** this example shows how to change the details (font typefaces, locations etc.) for the x-axis when you select X.

When the X-min and X-max to the same value, the graph will automatically plot to match the data.



After 14

Figure 14 Change X axis Tick Values

**Trim First:** First data point will be hidden

**Trim Last:** Last data point will be hidden

Press OK > Redraw

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### 4-3. Y-axis setting for each panels- Basic usage

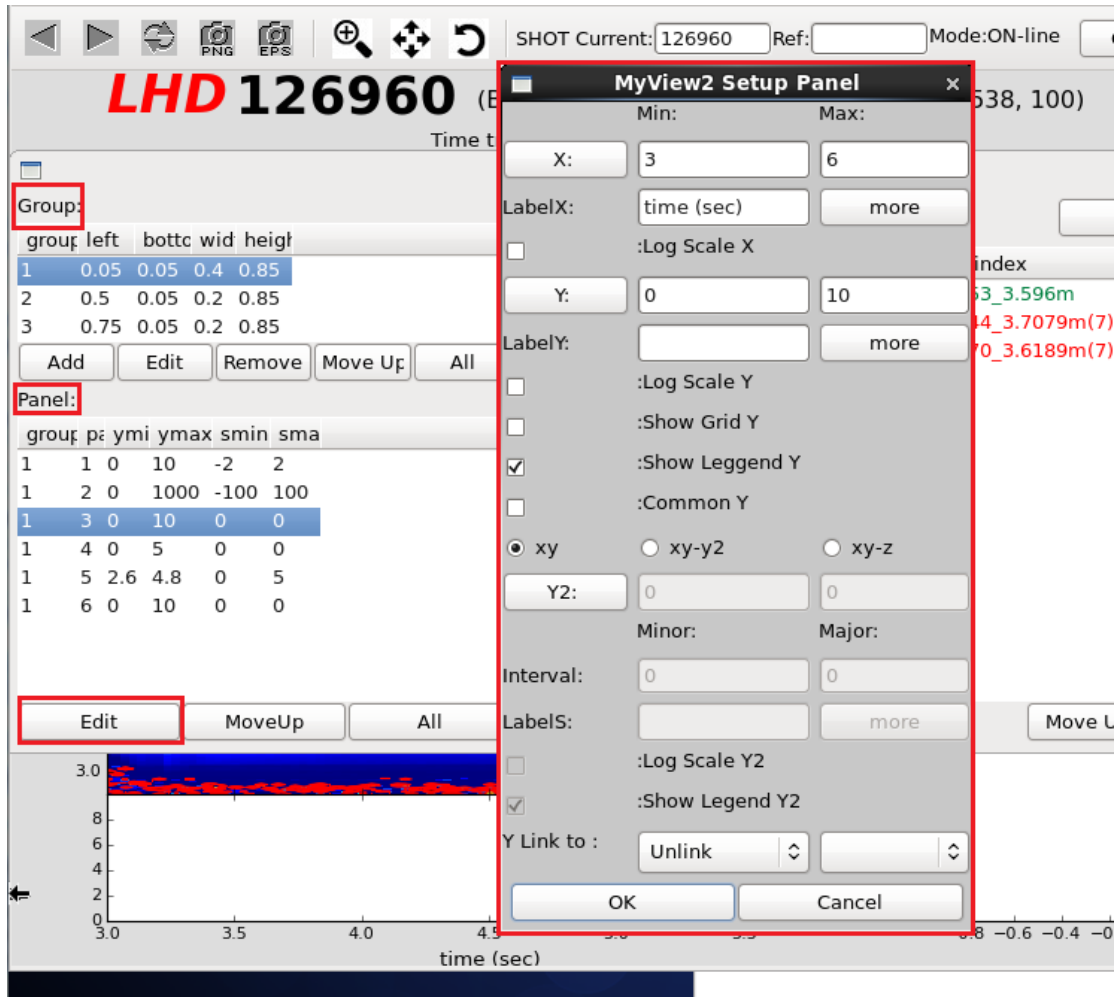


Figure 15 Set Y-axis for each panels

If you did NOT set Y axis values when you customized the layout of the group (see fig. 10: common Y), the Y-axis of each panel must be set individually.

*Choose one of the group > choose a panel > Edit*

A sub-window for setting of Y-axis will appear as Fig.15.

Or, you can just double click directly on the graph of the main window (Fig. 16).

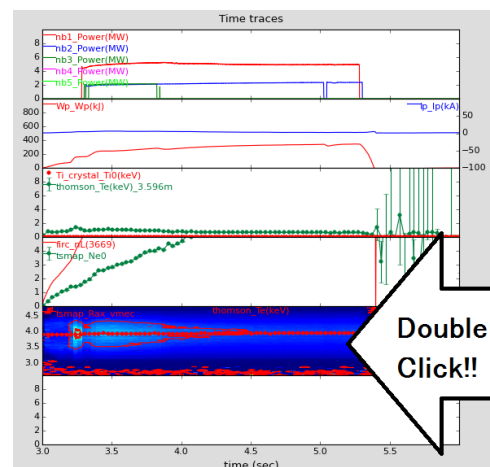


Figure 16 Double Click on the graph

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The group is a multiple columns representing Y values each against a specific X value. When plotting each series, you can easily select the Y values as they are present in columns but the X value is constant for each column. When the X-min and X-max to the same value, the graph will automatically plot to match the data. If you checked in the box for “Log Scale X”, it will be a logarithmic scale.

You can specify the min value and the max value for the Y-axis. When you set the same value for min and max of the Y-axis, the graph will automatically plot to match the data.

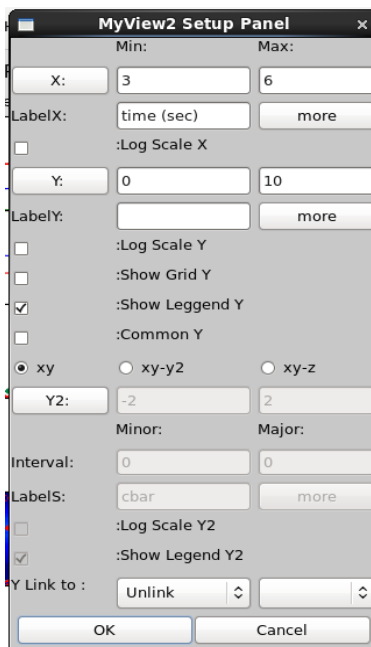


Figure 17 Set up

**Show Grid Y:** To set a square grid graph.

**Show Legend Y:**  
To displays the legend of the graph.

**Common Y:** To set constant Y-axis values to all panels of their group.

**xy:** Create a xy dimensional graph.

**xy-y<sup>2</sup>:** Create a chart with two Y-axis and one shared X-axis. You can also set the min and the max values for added Y-axis.

**xy-z:** Create a three-dimensional graph

**Log Scale Y2:** To set the log scale graph for Y2.

**Y link to:** Link to the other panel to represent the graph to be on the same Y-axis values. Choosing a panel can be selected even from the same group, and other groups.

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## 4-4. Drawing style setting- Basic usage

Tips for an easy way to create a drawn graph that you can also use “Add” to make a copy of a plot data, and set some details as you want. Press OK to put a new drawing data on.

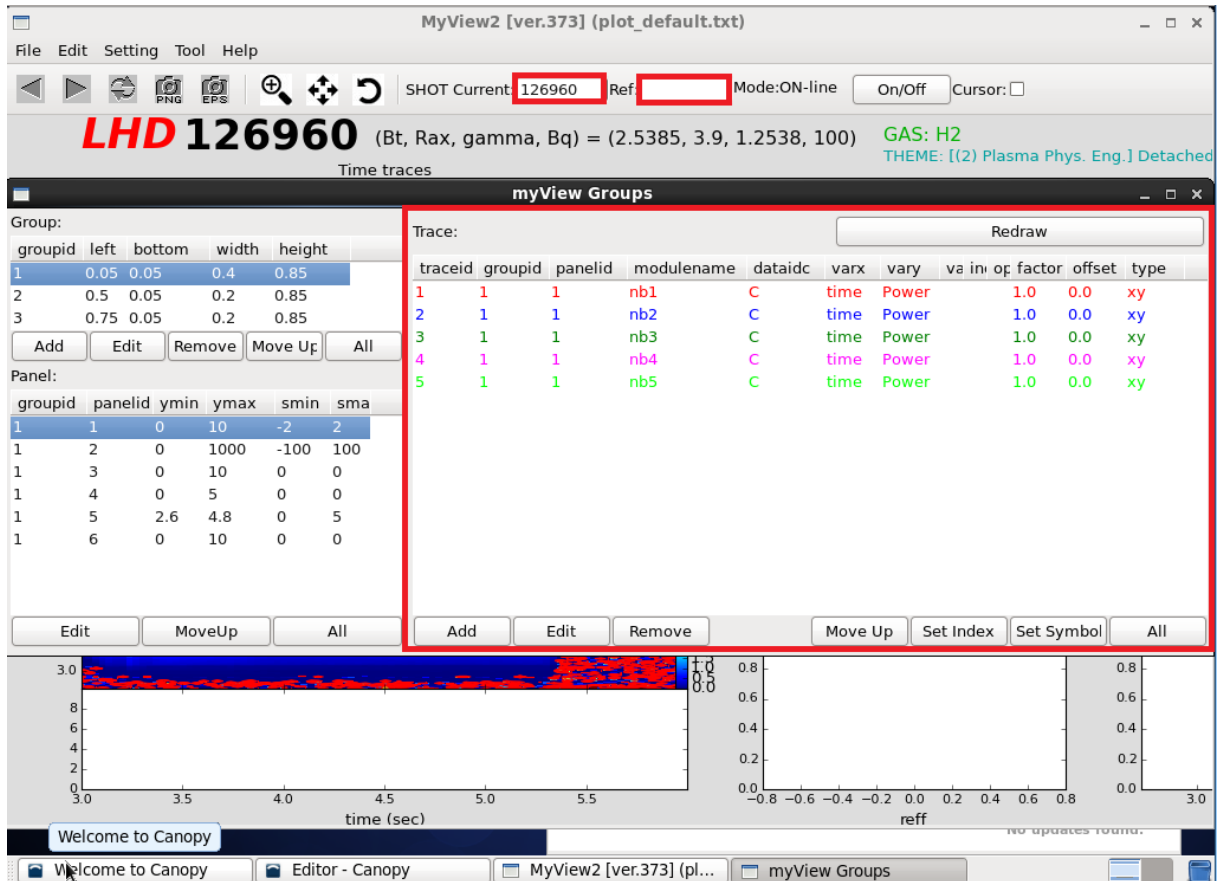


Figure 18 Customizing Individual plot data



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**MyView2 Setup Trace**

☒ Group: Group No.1(1)

☒ Panel: Panel No.1(1)

☒ Module: nb2

☒ Shot: ☒ Current 126960 ☐ Ref ☐ Add

☒ X: time

☒ Y: Power

☒ Z:

☒ Index:

☒ Option:

☒ Symbol: o

☒ Size: 0

☒ Style: -

☒ Width: 1

☒ Color:

☒ ColorMap:

☒ Offset: 0

☒ Factor: 1

☒ Type: ☒ X-Y ☐ X-Y2 ☐ XYZ

☒ Show: ☒

**Figure 19 Set up Trace**

In the sub-window for setup trace, you need to fill out the form from the top to the bottom with specific details how you want to display.

**Group / Panel:** A location to be displayed.

**Module:** A diagnostics module name

**Shot:** Specify the shot number

**C:** A current number from the main screen.

**R:** A Ref number from the main screen.

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**Add:** A file that you want to plot a data.

**X:** An object for X-axis.

*Generally, T is for time and R is for distribution for drawing a graph.*

**Y:** An object for Y axis.

**Z:** An object for Z axis

**Index:**

(See Fig 20) If the plot data has more items (time-slices, location information, etc.), choose one of the multiple selected list from the dropdown.

*For example, if you chose the Time (Time-slices), a dropdown list comes up so you can specify whether to plot the time variation of any position.*

*If you chose the R (distribution), you can specify whether to plot the distribution of any time.*

Option: The items appears if there're more information of the plot data. Choose one of the item that will be changed by selected items at Module.

**Symbol:** A symbol style.

**Size:** Size for control symbol or a plot line thickness.

**Style:** Line Style

**Width:** Linewidth

**Color:** Plot color

**Offset:** Stacked lines by Y offsets graph.

(See Fig 19)  $(Y_{\max} - Y_{\min})=1$ , so please use less than 1

**Factor:** Multiple axes

**Type:**

**XY:** A xy dimensional graph.

**X-Y2:** A chart with two Y-axis and one shared X-axis.

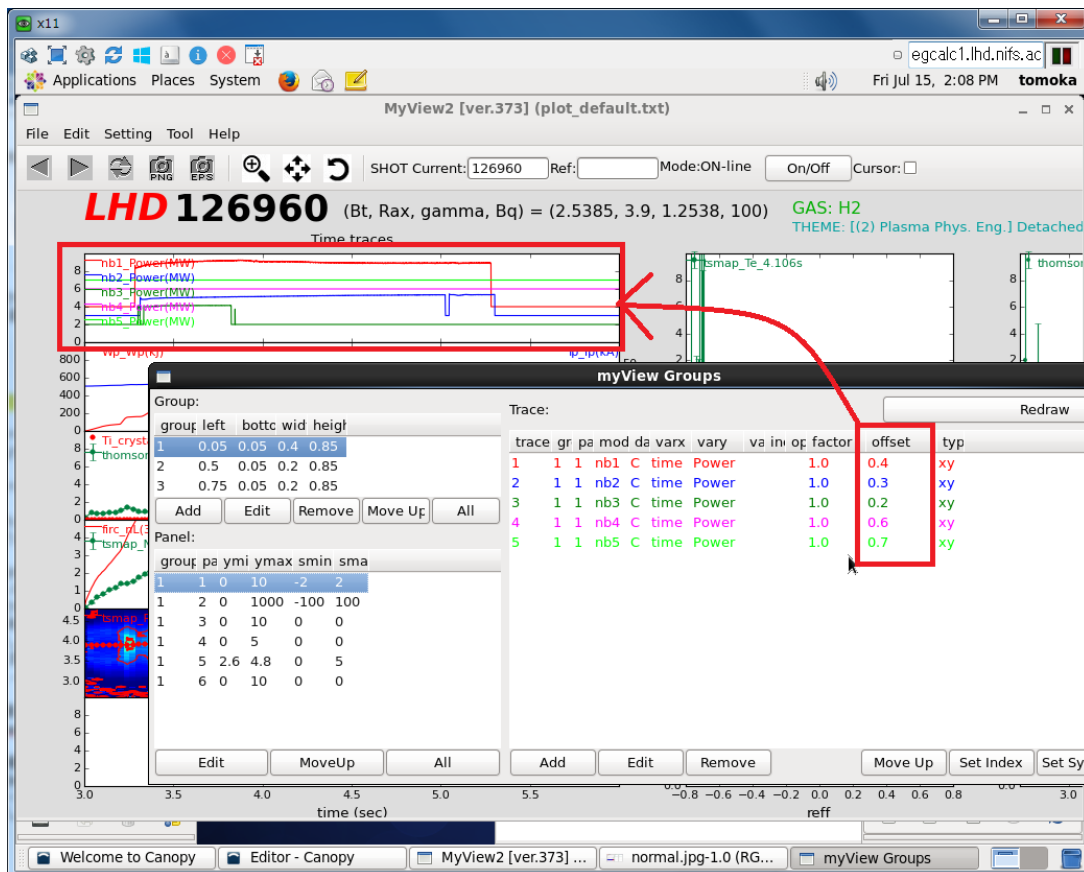
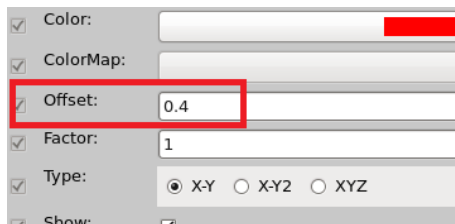
**XYZ:** A Three-dimensional graph

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**Show:** To check for display

**Offset:** Using this feature prevents the curves from overlapping and ensures that each curve can be viewed clearly.

Make sure that the number should be less than 1.0 because the limited number is the Y-max. e.g.  $(Y\text{-max} - Y\text{-min}) = 1$



**Figure 20 offsetting**

**Remove:** Remove a data

**Move Up:** Move up a data on the list.

**Set Index:** This is only for a limited measurement modules. You can

set this up if the module has

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**Start:** multiple measurement points.  
Initial value set point  
**Step:** Step size

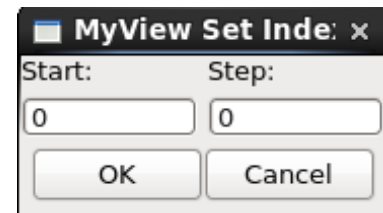


Figure 21 Set Index

**Set Symbol:** To change the look of a line shape.

*Check in the box > change the categories > OK > Redraw*

**Symbol:** Data marks  
**Size:** Size of the symbol (data marks)  
**Style:** Line design  
**Width:** Line thickness  
**Color:** The symbols and a line

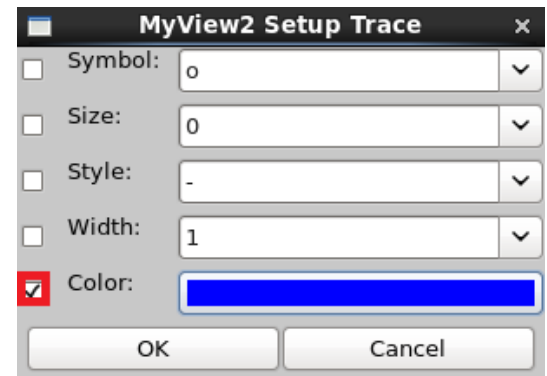


Figure 22 Set Symbol

**All:** Select all the items on the list.

Or, select a one of the list from the trace, and press this “All” button.

*e.g. You can indicate the data(s) that are based on the same module.  
This is useful to plot the time slice data if the module has more  
information in index. (See Fig 22)*

## How to use myView2

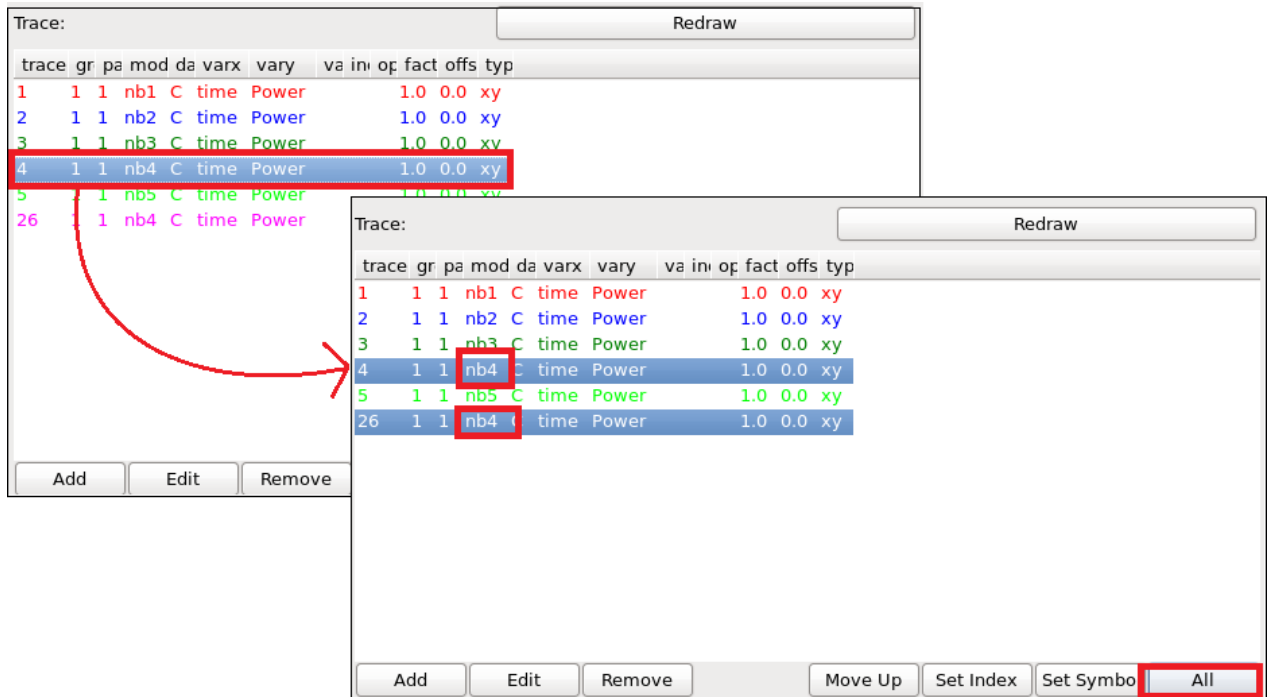


Figure 23 “All” button to select the data based on the same module

### 4-5. Set graph legends- Basic usage

From the menu bar, Setting > Legend > add, edit, and remove > Redraw

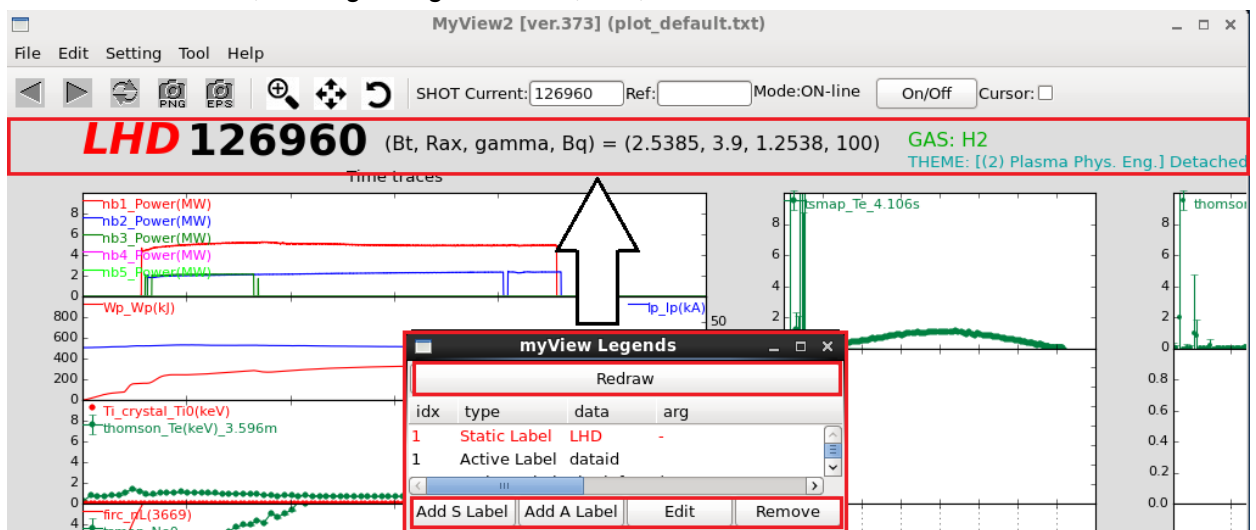


Figure 24 Set Graph Legends

Static labels are labels that are not bound to the data which is “LHD” in red writhing on this screen. In other words they are statically drawn on the axis and don’t interact with the data in the viewport. You can set

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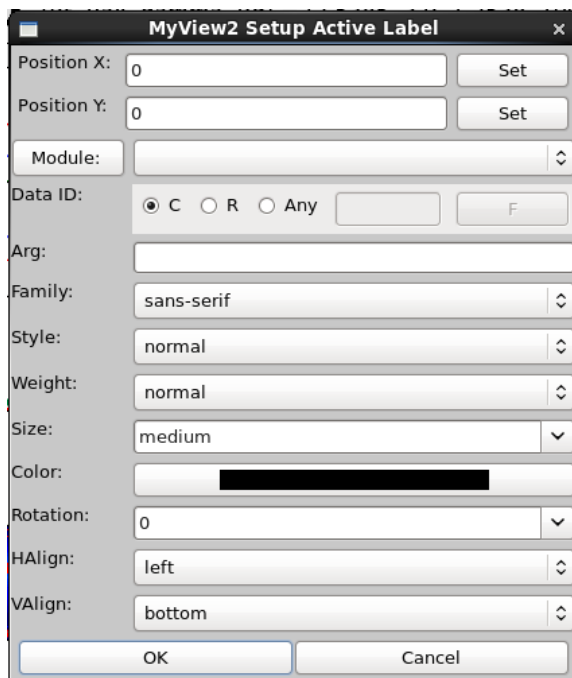
the horizontal and/or the vertical static labels, and you have the option to define a custom label formatter for the labels.

Active Labels are that changes depending on the data to be displayed.

The dialog box is titled "MyView2 Setup Static Label". It contains the following fields: "Data ID:" (empty), "Position X:" (0) with a "Set" button, "Position Y:" (0) with a "Set" button, "Text:" (empty text box), "Family:" (sans-serif), "Style:" (normal), "Weight:" (normal), "Size:" (medium), "Color:" (black), "Rotation:" (0), "HAlign:" (left), and "VAlign:" (bottom). At the bottom are "OK" and "Cancel" buttons.

> Add S Label (for a static label)

Figure 25 Add S Label

The dialog box is titled "MyView2 Setup Active Label". It contains the following fields: "Position X:" (0) with a "Set" button, "Position Y:" (0) with a "Set" button, "Module:" (empty), "Data ID:" with radio buttons for "C", "R", and "Any", and a text box for "F", "Arg:" (empty), "Family:" (sans-serif), "Style:" (normal), "Weight:" (normal), "Size:" (medium), "Color:" (black), "Rotation:" (0), "HAlign:" (left), and "VAlign:" (bottom). At the bottom are "OK" and "Cancel" buttons.

> Add A Label (for active labels)

**Position X:** Place for a label

**Position Y:** Place for a label

**Module:** Set a module

**Data ID:**

**C:** Data ID for a main screen

**R:** RefNo for a main screen

**Any:** Shot numbers

**Arg:** A title name (reserved words included)

Figure 26 Add a Label

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## 5. About configuration file(config.txt)

Initialization files and setting printers are set in “config.txt”.

There are only a few basic constructs allowed in the initialization file.

Blank lines are ignored. Lines beginning with a “#” are comments, and will be ignored too.

*For example*

<code>PlotDefault = plot_default.txt</code>	A layout file for initial start-up
<code>PrinterIP = 133.75.51.200</code>	Specifies the PostScript-compatible network printer
<code>vPrintPath = vprint</code>	Specify the location of the path where you want to output the generated PostScript file.

## 6. Configuration File (Directory environments)

myView2.cnf is the configuration file for the directory.

*For example*

```
"cachefilename": "cache.txt",  
"cachefoldername": "cache",  
"commandfoldername": "bin",  
"config_version": "1.0.0",  
"datamodulefilename": "datamodules.txt",  
"datamodulefoldername": "DataModules",  
"exportfoldername": "user/export",  
"labelmodulefilename": "labelmodules.txt",  
"labelmodulefoldername": "LabelModules",  
"notifyfoldername": ".",  
"printfoldername": "user/print",  
"tempfoldername": "temp"
```

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## 7. Layout file

In the layout file, setting the drawing size, the group, the graph, the trace, also other text display settings are available.

*Let's see how they go on the file using a "plot\_default.txt" as follows;  
(Each parameter is separated by TAB after the key)*

### 7-1. Canvas size setting- Layout file

*For example: canvassize 1024 780*

### 7-2. Shot number setting - Layout file

*For example: dataid 101368 105999*

### 7-3. Others - Layout file

*For example;*

*facecolor #dddddd  
realtime\_printer lastshot  
realtime\_delay 1  
realtime\_duration 150*

### 7-4. Group layout - Layout file

*For example:*

*group 0 6 1 0.05 0.05 0.4 0.85 0 3 6 0 0 0 0 1 0 -1*

1. groupid : A group number belongs to the graph.
2. nrows : Numbers of rows that divisions in the vertical direction
3. ncols : Numbers of columns that divisions of the horizontal direction.
4. left : The left edge for the entire group.
5. bottom : The lower end position for the entire group.
6. width : The width to draw the entire group.



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7. height : The height to draw the entire group.
8. gap :  
The space that specifies the gap between the panels to each other.

*\*Position, width, height, spaces are specified at a rate of the canvas size 1.*

*So you need to set a number in between 0 to 1.*

9. xmin : X-axis lower limit
10. xmax : X-axis upper limit.
11. logx : X-axis logarithmic scale. 0 / NO, 1 / YES.
12. comy : A common Y-axis, 0 / NO, 1 / YES.
13. ymin : Y-axis lower limit
14. ymax : Y-axis upper limit
15. logy : Y-axis logarithmic scale 0 / NO, 1 / YES
16. legy : Grid display designation, 0 / NO, 1 / YES
17. linkx :  
X-axis synchronization. To provides controls to link layers so that the child layer can resize and move with the parent layer. Synchronize by specifying the number of 1 to 7. Please put a “-“(dash) before the number If you do NOT want to link layers.
18. linky :  
Y-axis synchronization. To provides controls to link layers so that the child layer can resize and move with the parent layer. Synchronize by specifying the number of 1 to 7. Please put a “-“(dash) before the number If you do NOT want to link layers.

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## 7-5 Label setting for a Group- Layout file

*For example;*

```
glabel 0 x time (sec) sans-serif normal normal medium #000000 0 center top
```

1. groupid : group:  
A group number belongs to the graph.
2. text : Location  
Specify a title(t), X-axis(x), Y-axis(y), or Y2- axis(s).
3. at : A string of the label for the label.
4. family : A Font family
5. style : A character of style.
6. weight : The thickness of the character
7. size : A text size
8. color : A text color  
A hash mark “#” followed by three pairs of hexadecimal digits, specifying values for red, green and blue components in that order. Or letters after the hash mark would be fine too.  
*For example,*  
*a color of bright red is #FF0000,*  
*white is #FFFFFF,*  
*black is #000000,*  
*also in letters are*  
*r / red, g / green, c / cyan, m / magenta,*  
*y / yellow, k / kuro, and w / wite.*
9. rotation : A place for a title
10. ha : Display location of the title (horizontal direction)
11. va : Display location of the title (vertical direction)

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## 7-6. Tick label setting for a Group- Layout file

*For example:*

```
gticklabel      0      x sans-serif normal normal small #000000 0 center top 0
```

1. groupid : A group number belongs to the graph.
2. text :  
Specify a location for a title (t), X-axis(x), Y-axis(y), or Y2axis(s).
3. family : A font family
4. style : A font style
5. weight : A thickness of the text
6. size : A size of the text
7. color : A color of the text
8. rotation : A place for the title
9. ha : To display position of the title (horizontal direction)
10. va : To display position of the title (vertical direction)
11. ft :  
Display the chart axis start value,  
0 / NO, 1 / YES
12. lt : Display the chart axis end value,  
0 / NO, 1 / YES.

## 7-7. Coordinate axes setting for a Panel- Layout file

*For example:*

```
panel 0 0 0 10 0 1 0 -2 2 0 1 0 -1 -1
```

1. groupid : A group number belongs to the graph.
2. panelid : A panel number belongs to the graph.
3. ymin : Y-axis lower limit to range.
4. ymax : Y-axis upper limit to range.
5. logy :  
Y-axis logarithmic specified. Specify to a logarithmic scale

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- specified by 0 / NO or 1 / YES.
6. legy : Legend display designation specified by 0 / NO or 1 / YES.
  7. type : 0 (xy) 、 1 (xy2)、 2 (xy-z)
  8. smin : Y2-axis lower limit to range.
  9. smax : Y2-axis upper limit to range.
  10. logs : X-axis logarithmic specified by 0 / NO or 1 / YES.
  11. legs : Legend display designation specified by 0 / NO or 1 / YES.
  12. grid : Grid display designation specified by 0 / NO or 1 / YES.
  13. linky :  
Y-axis synchronization. To provides controls to link layers so that the child layer can resize and move with the parent layer.  
Synchronize by specifying the number of 1 to 7.  
Please put a “-“(dash) before the number If you do NOT want to link layers.

### 7-8. Label setting for a Panel- Layout file

*For example;*

```
plabel 0 0 y sans-serif normal normal medium #000000 90 center bottom
```

1. groupid : A group number belongs to the graph.
2. panelid : A panel number belongs to the graph.
3. text :  
Specify a location for a title(t), a X-axis(x), Y-axis(y), or Y2axis(s).
4. at : A string of the label for the label.
5. family : A font family
6. style : A font style
7. weight : A thickness of the text
8. size : A size of the text
9. color : A color of the text
10. rotation : A place of the title
11. ha : Display location of the title (horizontal direction)
12. va : Display location of the title (vertical direction)

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13. ft :

To display the chart axis *start* value,  
0 / NO, 1 / YES

14. lt :

To display the chart axis *end* value,  
0 / NO, 1 / YES.

### 7-9. Tick label setting for a Panel- Layout file

For example;

```
pticklabel    0 0 y sans-serif normal normal small #000000 0  
              right center 0 1
```

1. groupid : A group number belongs to the graph.
2. panelid : A panel number belongs to the graph.
3. text :  
Specify a location for a title(t), a X-axis(x), Y-axis(y), or Y2axis(s).
4. family : A font family
5. style : A font style
6. weight : A thickness of the text
7. size : A size of the text
8. color : A color for the text
9. rotation : A place of the title
10. ha : Display location of the title (horizontal direction)
11. va : Display location of the title (vertical direction)

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## 7-10. Trace setting- Layout file

*For example;*

```
trace 1 0 cxmap6_tor C reff Ti 27_4.0575s xy o 4 -  
0 #FF0000 1 0 1
```

1. groupid : A group number belongs to the graph.
2. panelid : A panel number belongs to the graph.
3. name :  
A data name, specify a one of the data (diagnome) which recorded in a "diagdict.txt" file.
4. idc :  
A shot number, specify a number of the current shot number, or a reference shot number.
5. vx : An object for X-axis
6. vy : An object for Y-axis
7. vz : An object for Z-axis
8. idx : index :  
If the plot data has more items (time-slice, location information, etc.), choose whichever not specified in the X-axis.  
*For example:*  
*When you chose the Time (time-slice), you can specify the time variation of any position in the "idx".*  
*When you chose the R (distribution), you can specify the distribution of any time.*
9. option :  
Specify an available option of which a chosen module has.  
*For example;*  
*Within a "tsmap" module, you can set the number of the frames to average as "ntavg-10" for the time direction.*
10. type : A type of the graph (xy, xy2, or xyz)
11. s : A type of the symbol
12. ss : A size of the symbol
13. ls : A type of the line

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14. lw : Thickness of the line  
15. color : color  
16. factor, offset :  
To prevents the curves from overlapping and ensures that each curve can be viewed clearly.  
17. show : To display the plot data, 0 / NO, 1 / YES.

### \*Plot Symbols and Plot Lines Characters

character	description
=====	
-	solid line style
--	dashed line style
-.	dash-dot line style
:	dotted line style
.	point marker
,	pixel marker
o	circle marker
v	triangle_down marker
^	triangle_up marker
<	triangle_left marker
>	triangle_right marker
1	tri_down marker
2	tri_up marker
3	tri_left marker
4	tri_right marker
s	square marker
p	pentagon marker
*	star marker
h	hexagon1 marker
H	hexagon2 marker
+	plus marker
x	x marker
D	diamond marker
d	thin_diamond marker
	vline marker
_	hline marker

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## 7-11. Active label setting- Layout file

*For example;*

```
alabel dataid C 0.12 0.97 sans-serif normal bold 32 #000000  
0 left center
```

1. name : A module name
2. idc : A shot number (current or reference), specify the integer value.
3. posx : Display location of the X-axis
4. posy : Display location of the Y-axis
5. arg :
6. family : A font family
7. style : A font style
8. weight : A thickness of the text
9. size : A size of the text
10. color : A color of the text
11. rotation : A place of the title
12. ha : Display location of the title (horizontal direction)
13. va : Display location of the title (vertical direction)

## 7-12. Static label setting- Layout file

*For example;*

```
slabel 0.05 0.97 LHD sans-serif italic bold 32 #FF0000 0 left  
center
```

1. posx : Display location of X-axis
2. posy : Display location of Y-axis
3. text : A title
4. family : A font family
5. style : A font style
6. weight : A thickness of the text
7. size : A size of the text
8. color : A color of the text
9. rotation : A place of the title



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- 10. ha :            Display location of the title (horizontal direction)
- 11. va :            Display location of the title (vertical direction)

### 8. Server functions

- You will be able to draw the specified drawing data through your client program during the experiment if you set the server mode.  
If you don't specify the shot number (a data-ID or a Ref.ID), a current data of a main screen will plot as a drawing data.
- When the screen comes up blank, there is no data which you specified.

For example;

- 1) Tool > Server > check in the box

From this setting, the operating system of myVie2 is changed to a client mode.

- 2) There is a sample program named "myViewClient.py" in the folder.

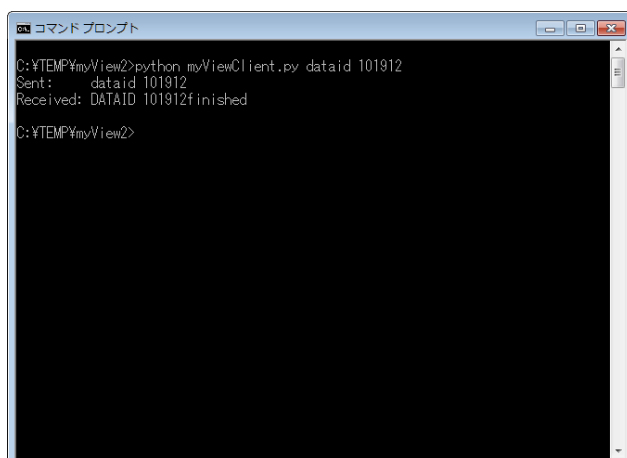
You can arrange this program whatever you like.

There're some examples as follows;

a)

```
C:¥TEMP¥myView2> python myViewClient.py dataid 101912
```

Passing a command argument with "dataid" and a shot number which you want to view.



```
コマンドプロンプト
C:¥TEMP¥myView2>python myViewClient.py dataid 101912
Sent: dataid 101912
Received: DATAID 101912finished
C:¥TEMP¥myView2>
```

Figure 27 dataid\_servermode

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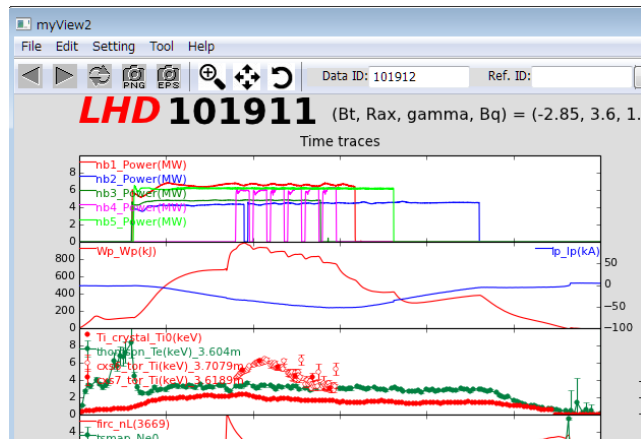


Figure 28 server mode screen

b)

```
C:\TEMP\myView2> python myViewClient.py reload
```

To draw the specified data with “reload”.

The screenshot shows a Windows command prompt window with the following text:

```
C:\TEMP\myView2>python myViewClient.py dataid 101912
Sent:      dataid 101912
Received:  DATAID 101912finished

C:\TEMP\myView2>python myViewClient.py reload
Sent:      reload
Received:  RELOADfinished

C:\TEMP\myView2>
```

Figure 29 Reload for a server mode

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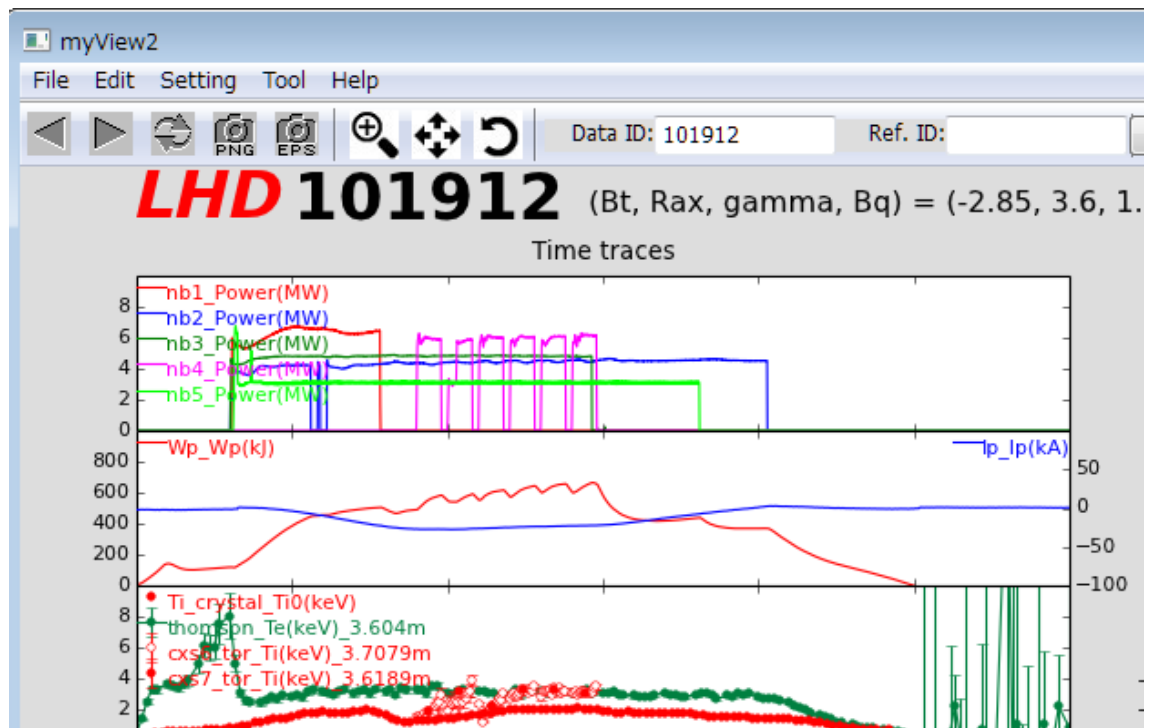


Figure 30 Reload on a Screen

Command (case insensitive)	Command Argument	Description
reload		Drawing
dataid	A Shot Number	Update a Data ID
refid	A Shot Number	Update a Ref. ID

\*Current Supported Command Reference

## 9. In conclusion

There is no guarantee that everything you need will work perfectly with myView2. So this user guide explains the ideal operation of the system merely. You may need to do the additional work such as making the program ready for execution on the module setting if you needed.