

AR949 GME T4 SO

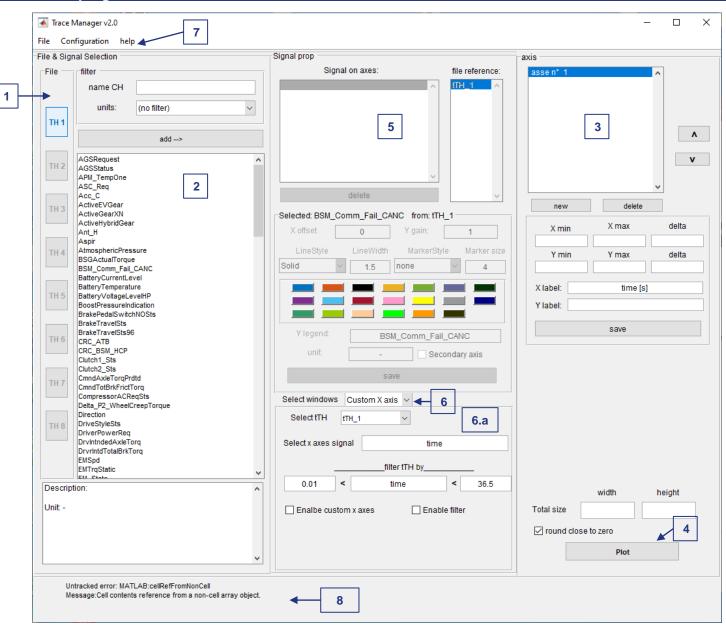
Next Steps

AR343 CIVIL 14 30		
Executive Summary		STELLANTIS
Purpose		
Analysis		
Conclusions		

Trace Manager v2 main program

Main program





Trace Manager v2

Main program

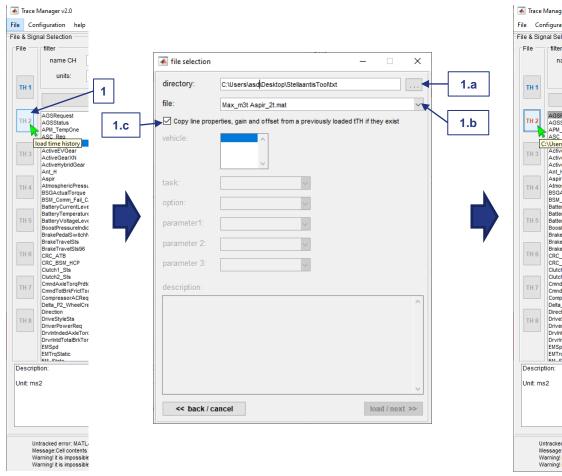
- File Selection
- 2. Load a signal
- 3. Create new axis
- 4. Create a figure
- 5. Define line properties
- 6. Panel selector
 - a. custom x axis
 - channel calculator
- 7. Save, load and export
- 8. Info box

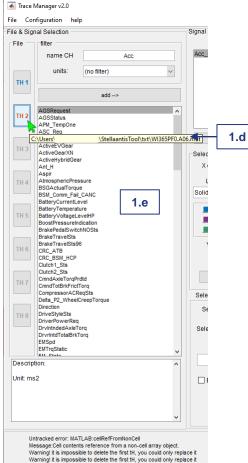
Output Figure

- . Main window
- Tool panel
 - a. Export Figure
 - b. Zoom
 - c. Legend
 - d. Data Cursor
 - e. Resize subplots
 - f. Vertical Cursor

File Selection







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Main program

1. File Selection

File selection

- a. Select folder
- b. Choice the time history that you want to load
- c. Check the checkbox if you want to load the configuration of a previous time history
- d. After you have load the file correctly, when you drag the mouse on the button appear the full path of the time history
- e. in the signal list box appear all signal contain in the time history

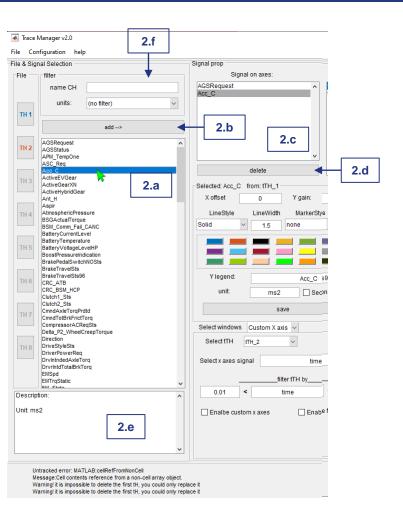
Notes:

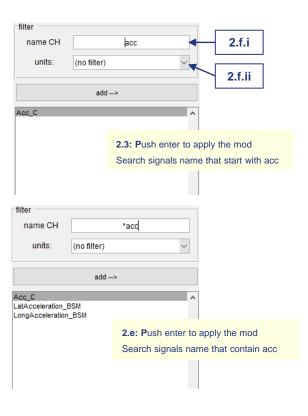
- Load the time history in order is it's possible
- Don't close the file selection windows with the X use back/cancel button instead
- It's impossible to remove the first time history, you could replace it perform a new tTH load

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Load a Signal







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Main program

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2. Load a Signal

File selection

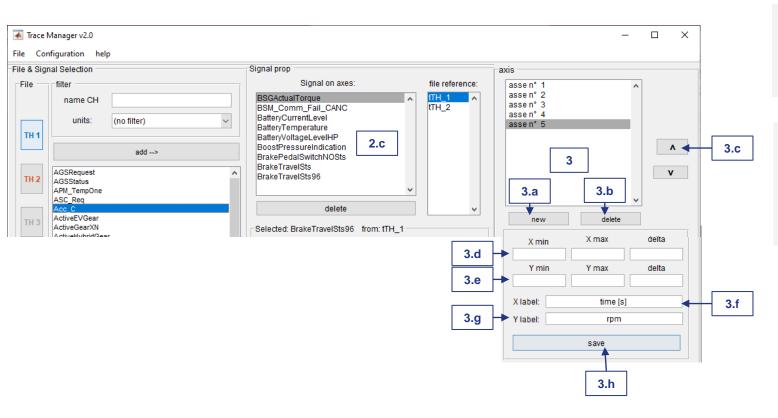
- List of signals for all time histories
- Select one or more signals in the signals list than push add button.
 The signals will load in the window 2.c
- c. In this windows there are all signals on single axis.
- d. Removes a signal form axis select them and push on delete button
- e. After selecting a signal in the window 2.e appear info on unit and a description if exist.
- . Filter Panel
 - i. Filter by name.
 - ii. Filter by unit

Notes:

 before creating a plot make sure that there is at least one signal (in window 2.c) for each axis (in window 3) you have created.

Create new axis





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Main program

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3. Create new axis

Create new axis

List of axes window

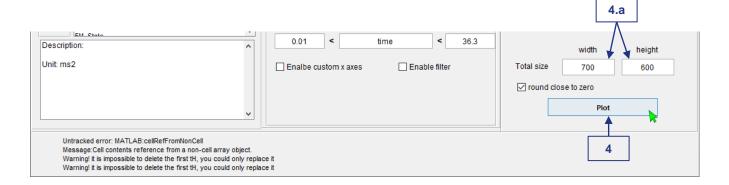
- a. Create a new axis
- b. Delete selected axis
- c. Change the order of the axes

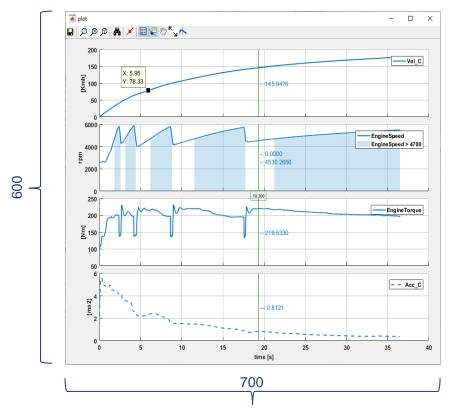
Notes:

- before creating a plot make sure that there is at least one signal (in window 2.c) for each axis (in window 3) you have created.
- Before change the order of the axes make sure that all axes has at least one signal

Create a Figure







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Main program

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4. Create a Figure

Create a Figure With a click on plot button appear a figure with the signals loaded (2.c) and the axes created (3) in the Main Program

 a. Choice the width and height dimension of the output figure

For more information on the output figure and figure tools go to the **Output figure** section.

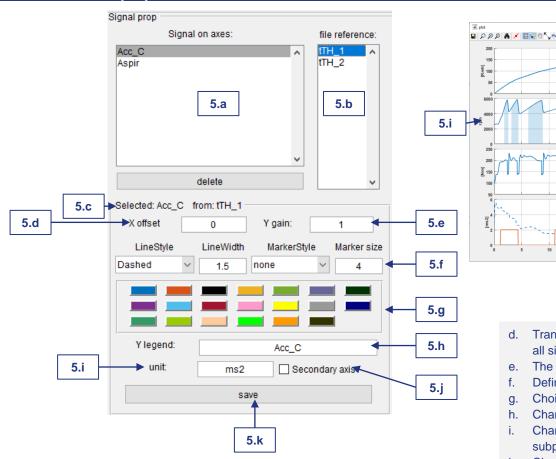
Notes:

- before creating a plot make sure that there is at least one signal (in window 2.c) for each axis (in window 3) you have created.
- If the figure don't appear correctly try to:
- close the previous figure
- Check if all axes contain at least one signal
- Check if all signal in all axes exist in the time histories loaded

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Define line properties





Trace Manager v2

Main program

- - -

0 X

5.h

5.j

5. Define line properties

Define line properties

- a. Select a signal target on 5.a window
- b. Select the time history target on 5.b window. If the signal exist in more than one time histories
 - In this label appear the signal target that you are modifier

d. Translate the time history on x axes by this value. This value are applied to all signals of the time history

- e. The selected signal will be multiplied by this value before it is plotted.
- f. Define the line style, the weight or the marker of the line.
- g. Choice the line colours.
- h. Change the signal string in the legend
- Change the unit of the signal write in the figure. Note, the unit written on the subplot is the unit of the first signal in the axis
- . Check the checkbox to plot the signal on a secondary axis
- c. After you set the property of the line, push save button to apply the mods.

The changes on this section is not automatically apply to the output figure, you have to create another output figure with plot button.

Notes:

be sure that the changes you are making will be applied to the signal you want by always executing the steps ${\bf a}, {\bf b}$ and ${\bf c}$ before.

Panel selector & custom x axis

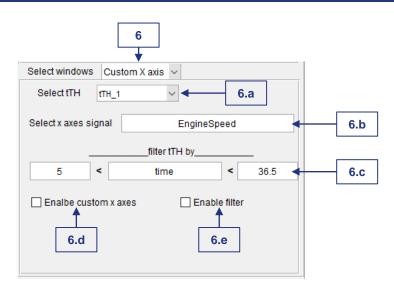


Trace Manager v2

Main program

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- 6. Panel selector
 - a. <u>custom x axis</u>
 - channel calculator



Panel selector & channel calculator

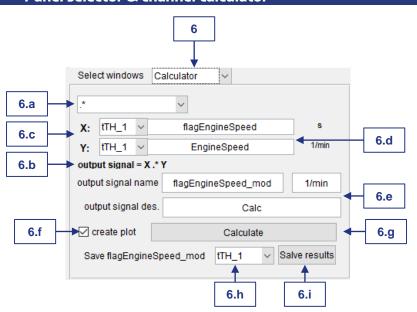


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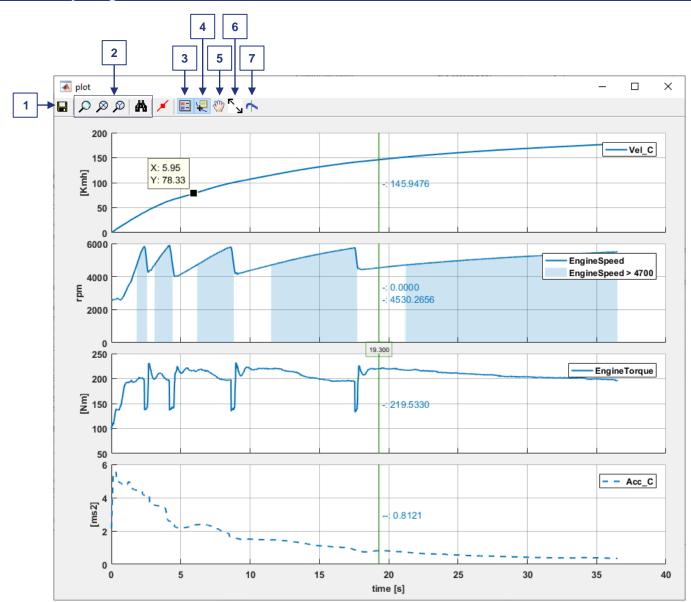
- 6. Panel selector
 - a. custom x axis
 - b. <u>channel calculator</u>



Output figure

Output figure





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Main program

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Output Figure

- 1. Main window
- 2. Tool panel
 - a. Export Figure
 - b. Zoom
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 - e. Resize subplots
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Backup



