

## Downloading and installing proPlot (a Matlab GUI for viewing glider profiles)

Download the following link:

[http://marine.rutgers.edu/~kerfoot/pub/matlab/proPlot\\_v1.2\\_R2009.zip](http://marine.rutgers.edu/~kerfoot/pub/matlab/proPlot_v1.2_R2009.zip)

You can save it wherever you'd like. I saved a copy to:

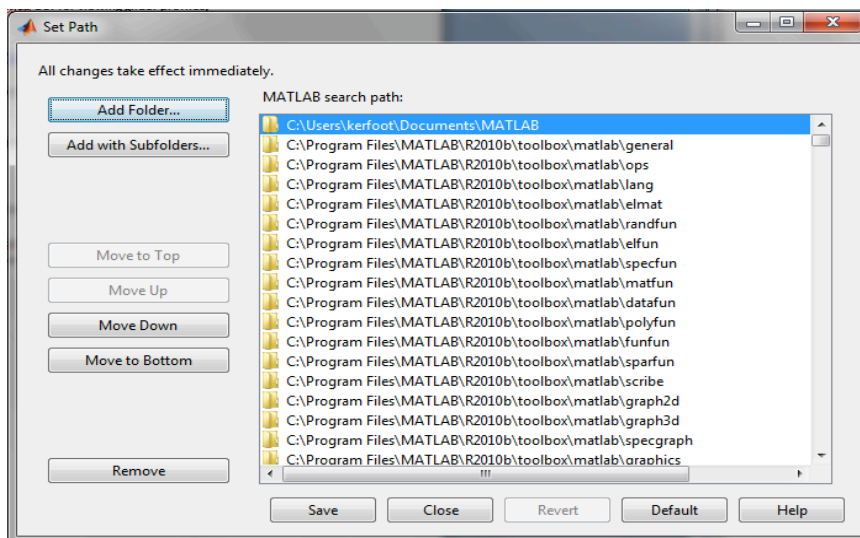
C:\guis

It's a self-extracting archive, so you can right-click on the zip file and extract it. You should end up with a folder here:

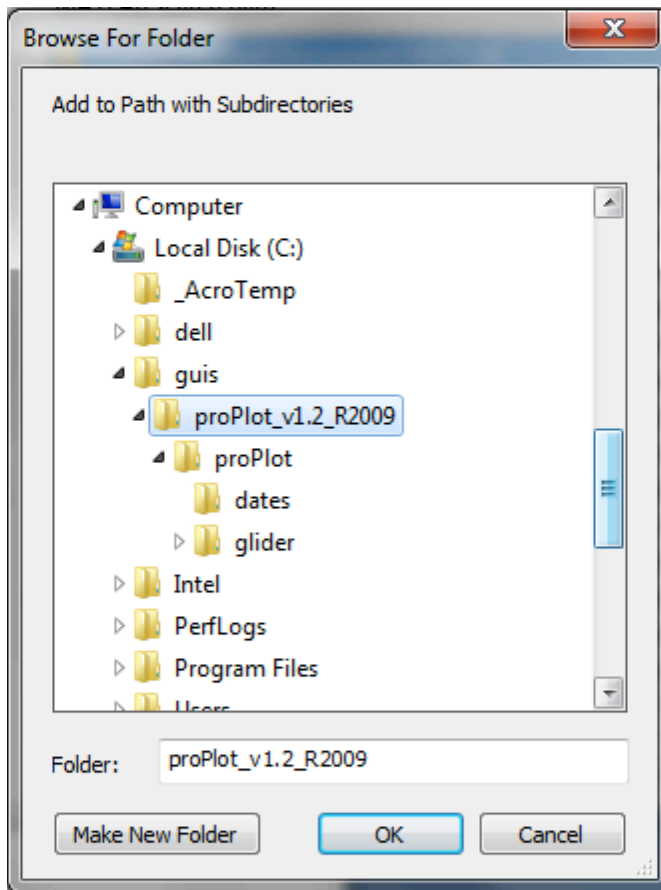
C:\guis\proPlot\_v1.2\_R2009\proPlot

Next, start up Matlab R2009 by double-clicking on the icon.

We're going to add the path to the proPlot **GUI** to the Matlab search path by going to the File menu and selecting 'Add Path...'. You'll be presented with the following 'Set Path' window:

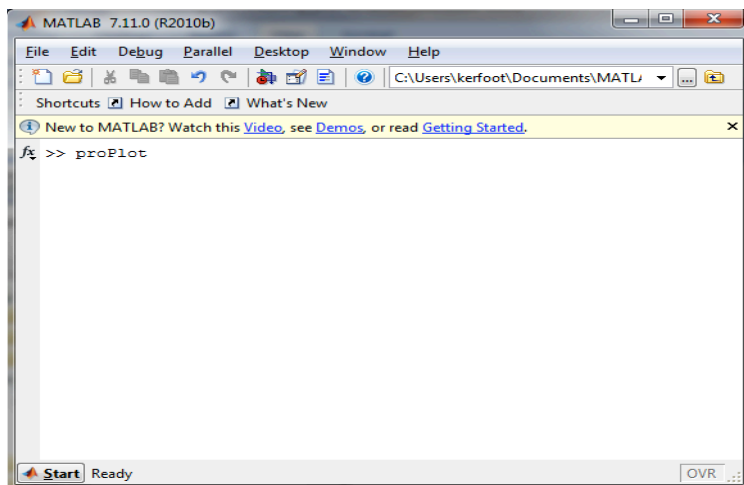


Select the 'Add with Subfolders' option. You'll see the following window:



Highlight the proPlot\_v1.2\_R2009 folder and hit OK. Click 'Save' on the 'Set Path' window and this path will be permanently added, so that you don't have to do this each time you start up Matlab.

You should now be able to start the proPlot GUI by typing proPlot at the Matlab prompt:



Once the GUI pops up on the screen, do the following to look at individual profiles:

1. Load the \*payloads1.mat file which you previously downloaded.
2. Select a segment from the **Segments** pull-down menu.
3. Select a sensor from the **Sensors** pull-down menu.
4. Select a depth sensor from the **Depth Sensors** pull-down menu.
5. Select a downcast(s) and/or upcast(s) to plot.
6. Hitting the **Print** button will cause a new figure window to pop up with the plotted profiles. You can save this figure as an image file and print it or upload it to the web.