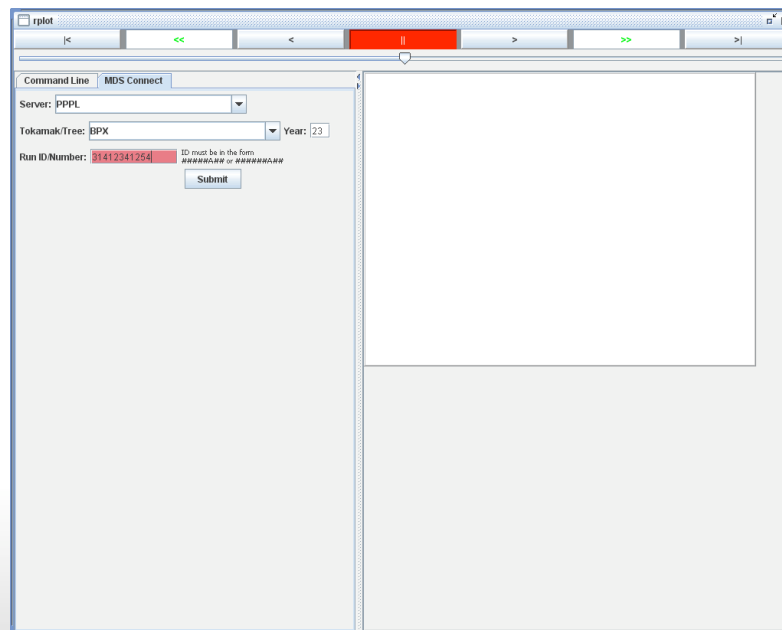# ElVis rplot Service
New Features

by Ben Bariteau

Features Added

- Command-line command stack arrow key control
- MDS+ data connect panel
- Script listing and editing

Command Stack Arrow Key Control

- Up key remembers last commands

- Down key remembers previous command

- Standard behavior of most shells; convenience for power users

MDS+ Data Connect

- MDSPanel used for connecting to MDS+ data

- Used by rplot and NUBEAM Function Factory
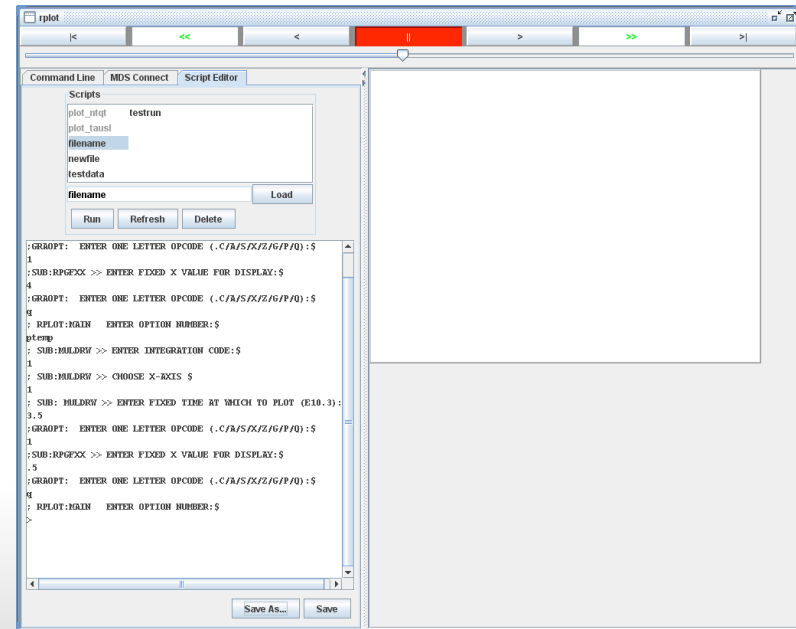
- Can be used with future services

MDSPanel Features

- Run ID and year format filtering
  - Contextutal based on server

- Tokamak filtering

- Fields allow for custom tokamaks/ trees and servers

Script Listing and Editing

- UREAD scripts for rplot are used for automation
- Scripts follow user input
- Users can make mistakes
- Editor panel allows user to change scripts

Script Loading
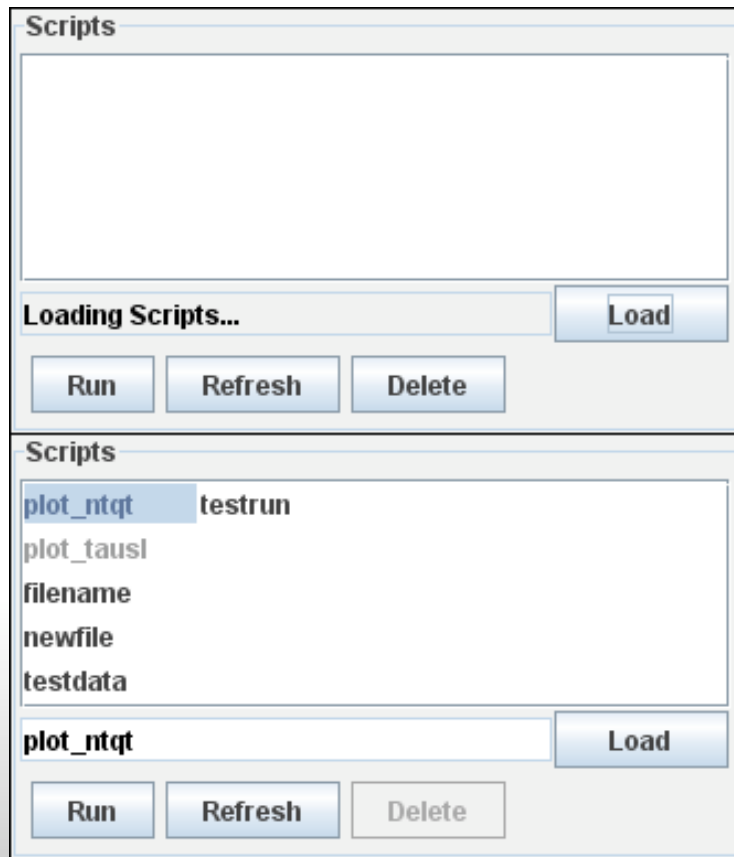
- The top panel is seen at startup of rplot
- After a few seconds this panel is populated with scripts
- You can select scripts and then load them
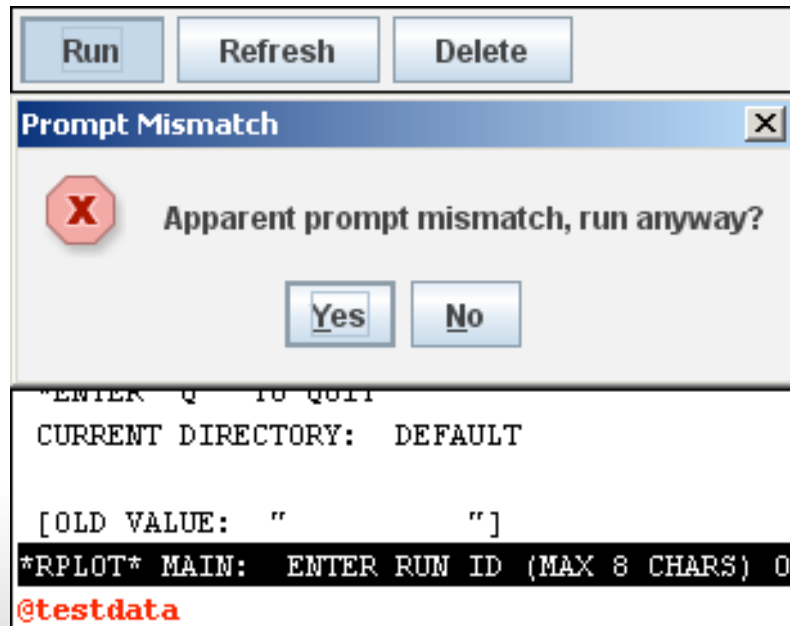- Grayed-out scripts are read only

Script Editing

- Scripts can be loaded by a double-click or by using the "Load" button

- Read only scripts can be edited by can only use the "Save As" button

- Normal scripts can use both buttons
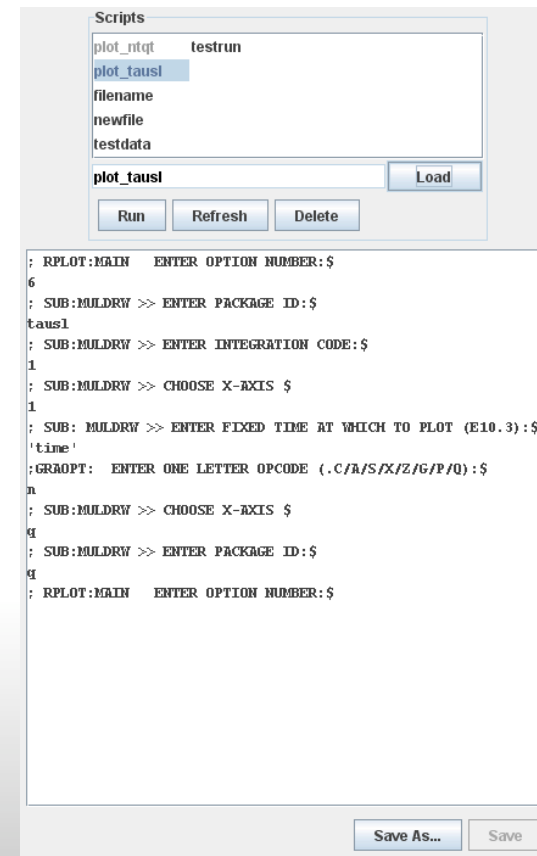
Using the "Run" Button

- The Run button can be used to run the selected script

- This will check the first prompt of the script against the current prompt of the command line

- If the prompts do not match, a message will show, which will allow the user to override

- A command to run the script is then put into the command line

The "Save As" Button

- The Save As button pops up a dialog box to put in the new filename

- Saves the file on the server, and then adds the new file to the script listing area
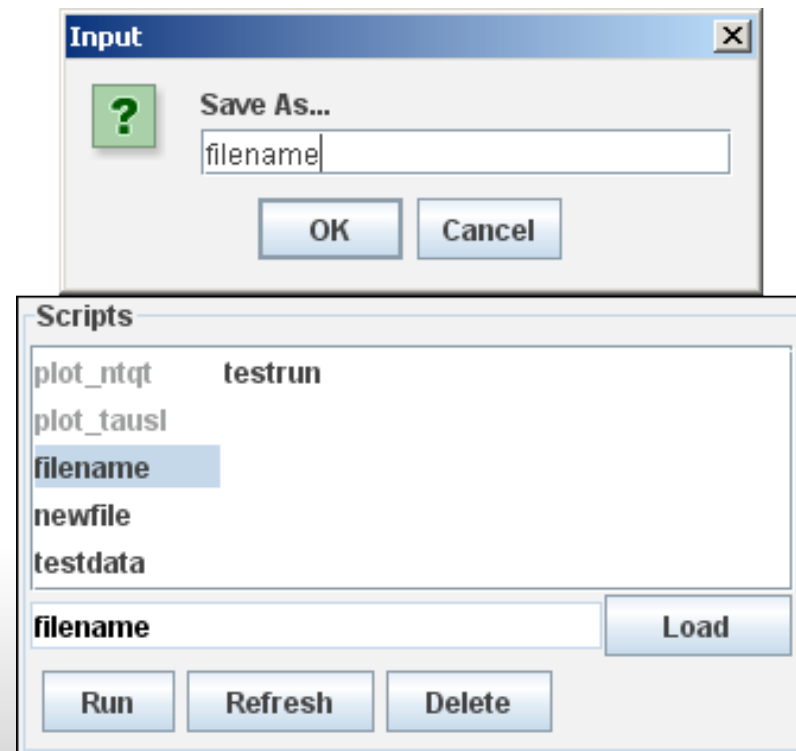
The Refresh Button
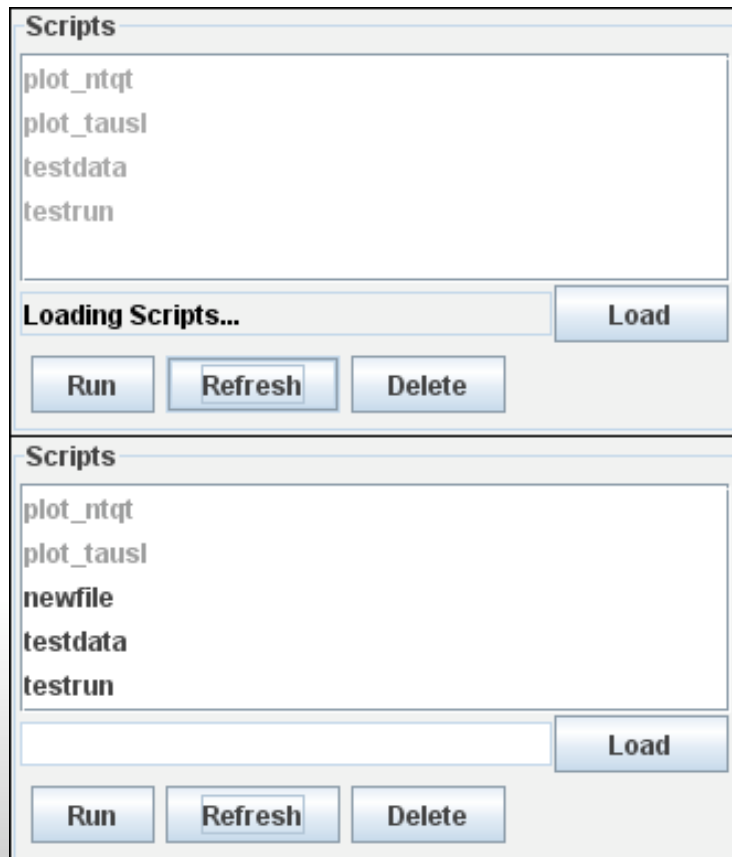
- Refreshing scripts reloads the list of scripts
- Hit the refresh button, wait a few seconds, and the file list will reload

The Delete Button

- The delete button allows for users to delete their scripts

- Allows for users to manage scripts more easily

- Disabled for read-only scripts