Subject: Problems with system variables
Posted by Brad L. Fisher on Mon, 26 Jul 1999 07:00:00 GMT
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This problem requires a little bit explanation. I am extracting data from an image window with the cursor command, which I am using to generate two different windows (the cursor coordinates are used to select the central pixel in one of two windows). One window is displayed with TV; the other with PLOT (draws a simple graph). The idea is for user to be able to select different points in the main data window and carry out analysis on the data selected within the other two windows. Consequently, the program was designed to interact with the main data image multiple times using the cursor command.

Before adding the PLOT window everything was fine, but after generating a PLOT, which was drawn in a unique window opened by the program, it seems that the window system info from the main image is getting lost or replaced. For instance, when I select a point with the cursor the first time through everything is fine, for at first, there is only one window drawn, but the second time through the cursor return bogus data coordinates. It turns out that the data selected from the main window was actually data in my PLOT window. I did notice that the system values in !p were getting changed. I then tried just saving the original !p and reassigning it after generating the PLOT, but that solution did not rectify the problem I described above. Can anyone help with this? If so, please send responses to fisher@trmm.gsfc.nasa.gov.

Brad