Hi,

I'm trying to build an iTool with a Panel UI, as in the iTool
developer's guide, chapter 13, p 252+. Part of my PUI (!) is a
CW_BGROUP(), i.e. a group of buttons (or if you like a WIDGET_LIST(),
same question will apply). My problem is I want to make the list of
buttons (or the list in the widget_list()) an argument to my iTool
LAUNCH routine, e.g. I would like to write:
IDL> mytool,x,buttonlist=["tom","dick","harry"]
and have the PUI show a group of buttons with labels "tom", "dick",
"harry".

So the question is, how do I "piggyback" the buttonlist array from the
launch routine into the PUI routine, without using a common block?

Since the PUI is created in the Launch routine (mytool.pro) using the
ITREGISTER command,
  ITREGISTER, "My Panel", "myPanel", TYPE="EXAMPLE",/UI_PANEL
there is no obvious way to make the
buttonlist(=["tom","dick","harry"]) a part of a state structure, as
one would normally do with the UVALUE of a top level base.

I have tried to build an object out of BUTTONLIST;
  listobj = obj_new('myListObject', buttonlist)
which I have then turned into an IDLitData object;
  list_data = obj_new('IDLitData', listobj)
which I have then added to the parameter set;
  oParmSet -> Add, Plot_List_data, PARAMETER_NAME="BUTTON LIST"
which I then hoped to access via oTool in the Panel procedure:

  PRO myPanel, wPanel, oUI
     oTool = oUI -> GetTool()
     oWin = oTool -> GetCurrentWindow()
     oView = oWin -> GetCurrentView()
     oCont = oView -> GetByIdentifier('Visualization Layer/Data
Space Root/Data Space/Contour')
     oParams = oCont -> GetByIdentifier('Parameters')
     oData = oParams -> GetByName("BUTTON LIST")
     ok = oData -> GetData(Plot_List)

However, while the iTool is being created, the above hierarchy
apparently has not yet been created (though this is the correct
hierarchy, after creation of the iTool). Thus, inside the
myPanel.pro, I can't figure out how to get hold of my list_data which

I added to oParmset.

Can anybody give a hint?

Is there some other more direct way to get the info into myPanel.pro?

Any help would be greatly appreciated,

Thanks,

Sean Dettrick