
Subject: Re: Linking buttons to plot windows

Posted by [David Fanning](#) on Mon, 20 Dec 2004 22:11:05 GMT

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Clive Cook writes:

> Thanks David, i'm pretty new to widget programming so i am not really sure
> what to do. This is an example of the code that the GUIbuilder generates. I
> assume that the first part of the code (WID_BASE_0_event) handles the
> events, so when i press wid_button_1 the function contour1 is called. As i
> mentioned before this plots in the last area designated for plots
> (wid_draw_1). How can i specifically plot it in the first area (wid_draw_0)?

It is my humble (and mostly ignored) opinion that it is **impossible** to use the GUI_BUILDER to create widget programs. At least programs you can understand. And this code is like running your fingernails across the blackboard to me. But, your code will look something like this (assuming the CONTOUR event handlers aren't doing something weird):

```
pro WID_BASE_0_event, Event
```

```
  wWidget = Event.top
```

```
  case Event.id of
```

```
    Widget_Info(wWidget, FIND_BY_UNAME='wid_button_0'): begin
```

```
      if( Tag_Names(Event, /STRUCTURE_NAME) eq 'WIDGET_BUTTON' )then $
        BEGIN
          drawID = WIDGET_INFO(wWidget, FIND_BY_UNAME='WID_DRAW_0')
          Widget_Control, drawID, Get_Value=wid
          WSET, wid
          contour1, Event
        ENDIF
```

```
    end
```

```
    Widget_Info(wWidget, FIND_BY_UNAME='WID_BUTTON_1'): begin
```

```
      if( Tag_Names(Event, /STRUCTURE_NAME) eq 'WIDGET_BUTTON' )then $
        BEGIN
          drawID = WIDGET_INFO(wWidget, FIND_BY_UNAME='WID_DRAW_1')
          Widget_Control, drawID, Get_Value=wid
          WSET, wid
          contour2, Event
        ENDIF
```

```
    end
```

```
  else:
```

```
endcase
```

```
end
```

If that is not the ugliest code I've ever posted in a newsgroup,
I don't know what is. :-(

Cheers,

David

P.S. Really do yourself a favor and ditch the GUI_BUILDER. You
(and your boss) will be glad you did. :-)

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
